Diagnosis Emphysema pneumothorax
Chronic Slight dilatation Hypertrophy
of the Heart

℞ Morphia Acet. gr. ¼
Potassii Iodidi ʒ ij
Tinct Lobeliae ʒ j
Syr. of Tolu ʒ ij
℥ij

Take a teaspoonful 8 times
a day in water.

Percussion dulness increased over
especially on bronchial tubes
heart & impulse not forcible but
diffused & felt externally in 8th
12-24-623 - Left Lung Post. - Sucking
sound heard - otherwise about the same
Has a pain in left side, near fellowing
ligament

℞ Linimenti Aconiti ʒ j
Chloroformi ʒ j
Linimenti Camphorae ʒ ij

Rub morning & evening -
Other treatment same as before

MSS 2/0208-01
Acc 1991-071

12-2-12 Dr. H. H. Smith

The main thing in fractures of the femur is to overcome the actions of the muscles. The use of Island splints is for safety. Hartmann splint has two boards, outside goes up to axilla inside one to perineum. has a foot board which moves by two means of a screw. The outside board may be taken off at pleasure. Hennis modification of Desault's Physicks. has two long splints 12 inches wide one that can find both limbs which is very bad as patient can't pass urine. Dr. Smith says it is not to be used. Anterior splint by N. R. Smith of Baltimore.

Fractures of condyles of femur leave leg fractured leg, short limb up on a pillow. If knee open

cent. sulphate around the limb
you may use pieces of wood first
in bulk & as he goes around
the whole limb. Adhesive plaster
will act as well. Fracture
of Patella generally unites by fibro
ligamentous tissue. Diagnosis exam.
Treatment. Flex leg on thigh. by
anesthetics, chloroform. Assistant
steadying, cut pieces of muslin
length of limb, cut slits opposite
patella, first one spiral to prevent ft.
motion, figure of 8 turns around
knee, take on the bandage and
muscle (Quadriceps femoris) tightly
apply a splint under
the leg. Dress and same bandage
except straight muslin, applied
a splint underneath, with ties
tapes nailed on then be tied on
hence using compresses

adhesive strips are very useful & preferable on many instances. Herbs have been used by some Practitioners but must be applied carefully

Dr. Pepper 12-2/62

Cause of Rubeola. Poison acting on the blood showing itself on the skin. This disease is contagious before the eruption comes out on the skin. Never met with second attack. This disease has been given to the foetus. Treatment of simple form, confine patient to bed put on low diet, give Diaphoretics. When you have the asthenic form the treatment is more on the antiphlogistic plan. If the eruption should disappear and the brain become affected, bring out the eruption by warm baths, Cataplasms. Regular procedure

a opium. Bumichid application is the most common after this disease Prophylactis. In Germany they vaccinate and they say protects the system against the disease again. But it has the same objection as the Small Pox it gives the disease to other persons. It is handly necessary to separate children when there is mild form of occurring in summer but there is sometimes good reason for separating children when there is a malignant form or the persons are of a scrofulus diathesis. Some Dr. found in the Camps those men who slept on straw beds had the measles while those who did not sleep on them escaped.

Erysipelas. means I draw near after 24 or 48 hours exposure

came out on the face redness of a dingy color pass on past the color will leave but will return, eyes are swollen. Brain symptoms are apt to be developed. Stupor sometimes low muttering, as soon as eruption disappears brain symptoms all leave, about third day of eruption. blisters will appear on the skin, occasionly disease shows itself in throat it travels up nose, or Eustachian tube, it may hard down, and be very bad Duration very indefinite sometimes nine days at others six weeks. Adynamic forms, have not sulphur hindrance may end in gangrene Sthenic may end in an abscess Hard to kill this disease before eruption you have vomiting. Chills fever you may guess by this expectoration

This disease though alarming is rarely dangerous. No anatomical appearance, you may have Pneumonia or inflammation of any organ. Cutaneous veins contain pus & is owing to Phlebitis. The blood must be modified.

This disease is not contagious. but this is not entirely settled. It is an epidemic, you can have it frequently. Armstrong says it is peculiar to Ironmasters Erysipelas thus seen occurs in large Hospitals & in Puerperal women in lying in wards. but this may come in private practice. When it occurs in Puerperal women it is very fatal This traumatic variety is very likely not Erysipelas. It may be called Erysipeloid Inflammation. Dr Pepper thinks

under certain circumstances Erysipelas is contagious

Dr. Carson 12-2/62

Anthemis Chamomile. This is a native of Europe, but is raised in our gardens. The Roman chamomile is the common kind of our shops, the German is small. Taste of Chamomile is bitter, contains bitter extractive matter, tannin, acid & a volatile oil, is a mild tonic good for Dyspepsia, given in Infusion made with cold water given in doses of wine glassfull sometimes Peppermint is added Aromatic SO_3 makes it agreeable. It may be employed as an Emetic given with Ext. Ipecacuanha Dose in Powder 3j, carried in pocket & chewed strengthens the stomach.

Smelling or drinking chamomile grows every where. may be employed as a stimulant. Senicio Vernonia is good to substitute for alcohol in drunkards. Serpentaria. Asclepias Tuberosa. Virginia snakeroot. Root is used has a bitter acid externally, white starchy internally. Has a smell between camphor & Turpentine. Use little of bitter & a little of alkaloid. Cold ginger comes with it sometimes. but this does not hurt it. Serpentaria acts above as a diaphoretic & Diuretic used in typhus fever. Given as a Tonic in Intermittent fever. with a glass of spring water 2 or 3 times a day. Quinine Powder X gr Cold infusion ʒj ss in Oj of water give a wineglassful with A & O.

Tinct is also very good. Heckhams
Tinct contains Turpentine.
Myrrha Balsam mecdendron.
This comes from Arabia & Africa.
It is found on the bark of the tree
obtained sometimes in large masses
of a brown color. odor peculiar
due to a volatile oil. partly soluble
in water & partly in alcohol.
It gives warmth to the stomach
constipates, long continued it is irritant. Action Lungs & Uterus.
May be used as an expectorant or
an emmenagogue. Sometimes used
in dyspepsia. In Cholera given
with Iron or alone. Good
for gums. Makes a ring around
the tinct. Dose Internally gr x.
may be given in Convulsions of tinct.
Antihectic remedy of Griffiths.
Mistura Terri Composita

Angustura Bark. discovered by Humboldt at Angustura S.A. Bark brown color, brought in chips this has been taken for the bark of Nux Vomica, but they are not alike Nitric acid will give red spot by acting on the brucia, this is a decided way of telling it. Carcarilla Bark, flowers like those of the castor oil, Bark comes in two forms. Quills or chippings has a peculiar odor, when burnt the same as incense. It may be combined with Cinchona bark good for children when worn down by summer complaint. Good also in Dyspepsia

Dr. Smith 12-4/62

Dr. Astley Cooper's dressing for fracture of the Patella. Consist

part of bandage then side strips
then another bandage of this & then
tie the strips at same part together
Fracture of Clavicle, being frequently
to getting in diagnosing, can't know
from one condyle to the other when
the arm is in a straight position
& it will include the upper part
of the clavicle. Treatment first
two or three days lay arm on a pillow
then apply a cuspis figure of 8 then
a spiral up the arm, a pad of this
from middle of arm to middle of fore
arm & then apply another bandage
about 5 inch bandage from
Can may use Cooper's dressing & strapping
Fractures of Bones of the Leg. Both Tibia
& Fibula may be broken at once & in
any part; by indirect force they may
both be broken but at different points
Fracture of head of Tibia is apt to be

followed by Gangrene & Mortification
You may generally discover the
fracture of Tibia by running your
finger down spine of bone, there
is rarely shortening. The great de-
formity is the result of the flexor
muscles drawing the leg up, &
the heel sinks in. You must
overcome the actions of these mus-
cles, to get the limb to correspond
with other sight the limb. The
inner edge big toe should cor-
respond with inner edge of patella
fracture leg should be rested
with a pillow lining them, fasten
sides of box with strips of muslin
fasten foot down to foot piece.
Better clasp of patients you can
not well use this box. You may
use Bogue's dressing, roll splints
in splint cloths pillow under leg

put bandage around foot taking one end one side of upper end of the splint & the other end to the other side - Then keep bed clothes off by some means, a little frame

Sallies apparatus large iron frame for head & splint for leg & foot. Cloth underneath hooks above, & then there is a rail-road

Dr Pepper 12.4/62

Treatment of Erysipelas - You may prescribe something by way of diuretic giving a mild laxative. Don't bleed but rather build up the system. In a perfectly healthy individual having a chronic form of this disease you might take blood but it would be an exceptional case. You may apply cold to the head such as ice use sinapisms to lower extremities

Acne rodens. beef, tea. Quinia &
Tinct Ferri Chloridi are very
good after a few days. Local
treatment, Bleeder, Nitrate of silver
solid caustic rubbed in an itch
in advance of the eruption.
Dr. Pepper prefers simple Mucil
age, Slippery elm a Flaxseed, some
use simply water.
Rheumatism. This means affect
ion as applied by the Greek, Pain
is the most marked symptom
increased by motion, fever is
said to be sympathetic or primarily
by different writers, sometimes
there is an eruption. Locality
is the large joints, also where
ever you have the serous
coat as heart &c. Pulse sometimes
accelerated, generally full, skin
full of perspiration, which is acid

Pain peculiar, jumps about from one joint to another but is not a metastasis, after awhile part swell & you have fluctuation of fluid in serous cavities. It attacks the heart in half of its cases in the inflammatory state, rarely in Chronic form, young persons have it much more frequently than older ones. Sometimes the symptoms remain dormant. If you ought to examine daily, Urine is high colored and sometimes pains are remittent, or rather deceptive forms. Muscular Rheumatism may be more stiffness, or it may affect every muscles in the body bringing on Tetanus. You may have Dengue a Break bone fever which is a form of Rheumatism Iodic Colic, a rheumatic cider is very bad form of this complaint

Lumbago is often mistaken for other diseases - especially Rheumatism, but the first there is a constant pain, till patient lie lay down & then get up, it is almost impossible to do it in Lumbago - Rheumatism may affect the brain, spinal marrow &c Chorea is generally connected with disease of the Heart -

Pathology of Rheumatism. Every body has a diathesis but no one circuit. It is an inflammation of the fibrous structure modified by some peculiar diathesis - this does not end in suppuration but we must look at the tissue affected.

Dr Carson 12-4/62

Aromatics are substances having an agreeable pleasant odour & most [illegible]

they owe their properties to a vol
atile oil, called also distilled or
essential oils - Boiling point of
this is 320°. Specific Gravity varies
some of these oils are solid.
they are pure Carbo-hydrogen
in the fluid state and have
oxygen when they are solid.
These oils are inflammable & can
must carefully in going near a candle
When dissolved in water they
make the medicated waters.
These oils are soluble in Ether
will dissolve camphor, are adul
terated with the fixed oils, which
can be detected by putting a lit
tle on paper and evaporating
it, if a spot is left, it has been
adulterated, all substances con
taining a volatile oil are stim
ulating. In connection with

being used in flatulence are termed Carminative being given by the Nurse she at the same time singing a song - Aurantii Cortex. Orange Peel there are two kinds, sweet & bitter. Confectio Aurantii is the only thing the Sweet orange peel is put in - Cinnamomum - Cinnamon we have two species, are very much alike, look like the Laurels which are analagous to our sassafras tree. The best Cinnamon comes from Ceylon Cultivated by the Dutch, dryed carefully, not in the sun has a volatile oil, if it stands for years there is a deposit of camphor, It also contains Tannic acid & may be given

in bowel complaint. May be given in powder gr. X to XV. a tea made from it is good. The Compound Tinct. consist. of Cinnamon, Cardamon & Ginger the Aromatic powder has cinnamon in it. Canella alba. This belongs to Magnolia tribe, brought in very large pieces as in quills has a volatile oil, & a crystallizable matter called Canellin. Used in doses of 2 or 3 grains with a warming cathartic. It enters in the comp powder of Aloes & Canella. Enters in Comp Tinct Gen Drymis Winteri or Winter's bark comes from Patagonia.

Dr Smith 12-5-62

In the fracture of both bones of the leg. Extension & counter extension

are not necessary - Hutchinsons
splint consist of two pieces
of pine each 4 holes. one large one
at bottom. bandage limb. for
counter extension take 4 tapes.
half way up limb confine them
with a bandage; pass tapes through
holes of pieces. tie upper & lower
tapes cross each other; tie bandage
round foot; run tenant through
lower holes & tie foot bandage
around this tenant. This is very
good when you want to use
extension & counter extension
but as said before they are not
necessary. Fracture of Fibula
the lower fifth will produce
a deformity. Diagnosis is some
times difficult if you have a sprain
& are not certain that it is a frac
ture. Put on foot make inver

seen of it, put leg on fracture
box & lie it there. dress with
cold dressings. Duchenne's thus
a long wedge shape pad, big end
down and a splint inside of the
apply bandage commencing at knee
come down to fracture then go
to foot. this is for the Tibia and
you want to overcome the Femoral
muscles. Fracture of bones of
the Tarsus. In Os calcis bend foot
down, pad it, two rolls with cotton
take a bandage make figure 8 turns
go up the limb, run splint and
part of leg fill up the hollows
with cotton, then apply another
bandage, person must lie on
their side, Make pressure motion
after it is well enough
Fractures of Metatarsal bones
keep all the bones perfectly straight

Lay limb in fracture box - the first board becomes the first splint -

In Compound Fractures the first thing to do is to close the wound. Saturate bits of cotton with white of egg and put on wound where you have Maggot, use Creolin wash, a clean rag & hot fomentation. Barton's uses a box with bran in it for leg. this is very good. There are various splints to use for patient about. Then we have the Starch bandage to do this we put on first the French spiral, then put on starch, another bandage & more starch, binders boards more starch, another bandage &c until there are coats of each. Uncork use plaster of Paris

mixed with scalin, cover limb with old linen then put on the plastin, this dries & makes a case. You must mixed acacia to keep it from hardening too soon, 1 part of Gumarabic to 20 of the plastin. Glue & Brown paper are used.

Dr. Pepper 12-5-62

Anatomical appearance of Rheumatism, thickening of tendons synovial membranes and containing more albumen serum. When you have an Inflammatory fever not typhoid or typhus, examine every thing you may find Rheumatism. This differs from Gout, in latter coming on rich, is hereditary occurs in all ages, is preceded by Dyspepsia, comes on gradually and at night, articulation are

very red, superficial veins en
larged - effects small joints
especially big toe - You have
a peculiar deposit of Lithates of
soda around joints - The pres
sure from this deposit give
a different pain than that
produced by Rheumatism -
Difference between Rheumatism
& Neuralgia - in latter pain is
single point, often relieved
by pressure not increased by
motion - Syphilitic Rheuma
tism should be called Neuritis
Rheumatism is not considered
a serious disease except from
disease of the Heart - Pulmonary
form is produced sometimes -
Local forms are not apt to affect
articulations, Emboli - plugs -
are found in Rheumatism -

Favorable symptoms - large deposits in the urine, pain & swelling subsiding, tongue cleans off - Sometimes it may get well soon & at other times last a long while so your prognosis must be guarded - What will suit one case wont do for another - Cures of this disease - Person having one attack, liable to another - It is more common in men, than women - It attacks middle age - Some persons have the predisposition & will catch it - accidents in their persons may produce it - Treatment - Some recommend bleeding, but this is not right - Purgatives, are not very good, that is drastic ones,

Vini Colchici ℥ i
Magnesiæ ℥ ij

Sulph Magn ℥ ß
Aquæ ℥ iv
Dose ¼ of the mixture

This acts as a Cathartic

℞ Pepsin
℞ Bini Calcis ℈ j
Magnesii ℈ j

Make a four ounce Mixture
Opium combined with a
diaphoretic such as Antimony
or Ipecac. Nitrate of Potash
combined with Opium & Ipecac
is good. Mercury is not to
be used. Peruvian Bark
has been recommended but is
now entirely abandoned
except in the advanced stage
Alkaline treatment is only good
in early stages. Lemon juice
has been considered as a specific
It contains an acid & alkaline ash

the same time. This is good.

Dr. Carson. 12-6-/62

Myristica. Nutmeg. Nut consists of two parts. The rind breaks open and we have the mace, inside of this is the nutmeg. When it is taken out it is thrown into lime water which gives it a white color. Nutmeg has a volatile oil, extracted by distillation. It was known to the Egyptians. In treatment for Diarrhea this has been used with alum. Should not be used in doses larger than 20 grains. It enters in the composition of compound spirits of Lavender. Cloves. These are the unexpanded buds of the Eugenia Caryophylata. This contains a volatile oil & a Resin. Powdered

of a deep brown color, valuable
its matter, this is hand plucked
thrown upon bundle & smoked
a little. Good in colic, used
mostly as an adjuvant - dose grs X
Two grams of cloves thrown in
to an Infusion of Rhubarb -
Pimenta a native of W.I. has
an indefinite odor & taste, resem
bling the other spices, hence
named all-spice. It is used
as a stimulant; in the Exanthe
ma fevers - a Tea may be made
a teaspoonful to ℥j of water
Oil is used in doses of 2 or 3 drops
Piper Nigrum Black Pepper Cinna
fam E.I. This a vine like plant
15-20 ft high, trained like hops
It is jointed, leaves heart shaped.
Peppers are taken before ripe
Has less principle & volatile

oil, & pepsum a cristalline mat-
ddlemal crust taken off pepper
is white. Good to rouse the
Stomach when given with Quinia
The volatile oil is the most efficacious
Cubebae. Cubebs. is a pepperstone
has a tail to it. is a native of Java
Has a peculiar oder, not pleasant-
A volatile oil obtained by distillation
another principle Cubebin. Acts
on the Kidneys, used in Chronic
Nephritis & Cystitis. also in Gonor
rhoea in this last it must be
used at the beginning. a end of
Inflamation, if not produces
swelled testicles. Given in pill
dose 20 drops. We may give Cubebs
in Pills made with Copaiva
Cardamomum, resembles the
Ginger. Fruit is a capsule
has but a single stand.

Grows in E.I. - Warm taste nice smell, seeds contains the active principle - Leaves of Pandre are species of Cardamum - We have the Comp Tinct of Cardamon Zingiber Officinalis a Ginger Root is used for Medicinal purposis the Dark & White colored powered Cobbs contains Starch -

Dr. Carson 12-8-62

Caraway. has a peculiar odor sweet & warm taste. a volatile oil. It enters in to combination of the Spir. Juniper Comp - Coriander - Is Aromatic Anise seed. has a peculiar order of its own. owns its properties like the others is a volatile oil - the Plant is like the Magnolias a favorite among the Chinese

Lavandulae Vera - Common garden plant - the leaves and flowers are used for medicinal purposes. Come from Europe - Lavandula Spicata a Oil of Spike, is a coarser species. The Compound spirit of Lavender Cardamon & Cinnamon, go together Lavander is used as the base to Cologne water - and other aromatic perfumes. Rosemarinus officinalis - Rose Mary - the Spirit of this is a good perfume enters in the Spir Lavandulae Comp also in Soap Tinament & Tinct Saponis Camp - If made from animal soap it is solid, from a vegetable soap it is fluid

Salvia officinalis - a Sage. It is little bitter contains some Tannic acid and hence astringent it is also tonic. Good for Night Sweats - Infusion made on ℥j. to ℔j. add a little

Aromat. Acidum Sulphuricum.
It is good also to make a gargle
℞

Infusion Salviæ	℥ viij
Alum Pulv	℥ j
Vinegar	℥ ss
Honey	℥ ss.

Menthæ Piperitæ a Peppermint.
Tinct is a strong preparation. Give
a few drops on sugar.
Menthæ Viridis a Spearmint.
this is the kind Julips are made from
with, an alkali it is good for
flatulency & sick stomach inflation
Gaultheria a Partridge berry.
Only the oil is used it is ob-
tained from the leaves by distilla-
tion, found in Quincy — Good
to flavor compound Spirit of
Sarsaparilla is used in this

Mineral Tonics have nothing in common, they differ among themselves. We cant group them- Iron- Ferrum- This exist in nature as a Sulphuret or Carbonate No effect in its metallic state All the different preparations have nearly the same effect on the system Activity depends on its solubility- First effects increase of appetite- continued they produce Anemia- An acid in debility and Anemia- Neuralgia is ever brought on by anemia, which cant be cured until the system is built up- Want of nourishment & the Malaria poisons produce anemia

Dr Smith 12-2-62

Anemia's fractures called ? melena fake joints. Causes general & local

first from depraved condition of the system - Motion, Splints, Bandages & Pressure -. Thy destroy the inflammatory action, Scrofulous, Syphilis & Cancer. Sometimes the Periosteum resembles a Capsular ligament. You recognized a false joint by history & Motion. Prognosis is uncertain. You may have this joint on any bone where there are strong muscles attached. Treatment: different in different persons. Resection for this in a large bone is very dangerous. Dr. Smith says he dont think he will ever do it again. Chapin wanted to establish Inflammation by a seton passed through the part this is less dangerous than either resection or caustic put into the parts. An artificial leg is good where there is a false joint in it.

Amputation is not justifiable in any false joint in any bone. Remove sum a drill through soft part and bored holes in bone. This is not good treatment it may lead to Suppuration.

Luxations. This is a displacement of a bone from its natural articulative cavity. It is generally the result of mechanical violence. Varies according to the portion of the displaced bone. Primitive is first & the consecutive. Simple Luxation is one with a wound, compound has one, Complicated when there is also a fracture. If bone goes entirely out of cavity it is complete Luxation if not a partial luxation.

Joints most liable to dislocation are those that have the most motion. Changes produced. We have pain

from, one set of muscles on the
stretch other set relaxed.

Dr. Pepper 12-8-02

Treatment of Rheumatism continued.
Nitrate of Potash has been very much
used give in large doses largely di
luted. ℥ 3 or 4 in ℥ij of water in 24 hrs
You must be careful in its use as
it irritates the mucous membrane.
Dr. Buckler recommend the
Phosphate of ammonia. It is
better in gout. give gr. v every 3 hrs
Black snake root has been used
Of the fluid give teaspoonful 3 or 4 times
daily, it is a good nervous sedative.
Dr. Pepper does not think it is much
Dr. Todd treats it by Elimination
Remedies acting on skin, alimen
tary canal, Kidneys &c.
Local treatment. Cups to back &

spine was once used but are only good in Muscular Rheumatism - A blister over the part, then dress with Pulp Morphia - If pain is more scattered use Chloroform & cover the parts with oiled silk & Gum clothes. Warmed flannel as this days is a powerful stimulant from the camphor it contains. Renew blister every two & three days letting them stay on a short time will often relieve the swelling & pain Acenitis Caradinum with Lard is good when in the joints. Rheumatic endocarditis. Put cups over Heart. When the brain is attacked cups back of neck &c. Diet. Moderately nutritious both, sometimes Wine & Quinine. It is apt to return, be careful of exposure on convalescence. Chronic Form, may come from

acute or may come on that may
at first. We have Syphilitic at-
tacking sailors, thin we have
Muscular affecting women Causes
Amenorrhoea. Chronic Rheumatism
is rarely accompanied with diseases
of the Heart. When it is associated
with gout, you may have deposits
in acta. Chronic Rheumatism
is often taken for Cofalgia, but in
this latter the buttock are flattened down
You may mistake it for Sprains.
Scrofulous &c. This is a trouble some
disease both to patients and physicians
especially that form connected
with the joints, We have various
things stuffing joints. Degeneration Multi-
plies of bones &c
Treatment, local & General — First
Local in Muscular form, Cap
me linamentum of Turpentine

The following is a good liniment

℞ Turpentine ℥ij
aquae ℥ij
Act- ℥ij
Yolk of two eggs

Iodine is good to rub on - The Douche
warm salt bath & sulphur bath -
Limbs sometimes become crooked
we must bind & keep them straight -
Use passive motion electricity &c -
Internal treatment act on skin
& kidneys by stimulating remedies
Turpentine in gtts XX doses is good
Doves powder with camphor is a
good diapho Guiaca, Resin are
good. Sulphur precipitat given
in syrup acts well - In Syphilitic
form, Iodide of Potassium
something specific Tinct of
aconite is used in Neuralgic form
Chinese plan acupuncture is good

not very painful. Electricity may be tried. Hot bathing with salt - sometimes you must send your patients to a warmer climate -
Rheumatism of Uterus. Todd thinks was caused by Dysmenorhoea - but Dr. Pepper think this latter was caused by the former, &c. may have to resort to the mineral & vegetable tonics.
Gout. Symptoms are variable. Cullen called it arthritis inflammation of joint. It means a drop which was thought got into the joint & produced pain. It also was named from some greek word meaning attack the foot, as the big toe is the part mostly affected.
Acute Gout may come on suddenly, think has had hurt him in several days, dyspepsia symptoms

tions. Sometimes sight, & the parts affected may itch. Pain is very severe, patient cant sleep. Intermission variable from a few hours to a long time. At first attacks may only come on once a year then often, & finally every day. Patients become worn out & feel debility after the attack is over. More common in winter & most wealthy as there is not so much perspiration on the skin. Chronic form, seizures very severe, have double vision, palpitations of heart, left side, urine scanty & high colored, joints are rigid, frame emaciated some other diseases set in & patient dies

D. Smith 12-9-1862

General symptoms of Inflations.
First change in natural state

of Articulations. Imperfect motion
Pain is marked. Fractures are
the most liable things to confound
with Luxations. When you exam-
ine your patients etherize them.
It is also good for pain diseases.
Treatment general & local
first consist of reducing mus-
cular relaxation. Chew best
if you cant get use tobacco
chew it put end in a bag push
it up the rectum. Whiskey
given until patient is drunk.
Mechanical force is now used
scientifically, it used to be used with
violence. Manipulations are now
entirely resorted to. Local treatment
is this manipulation. Complica-
tions vary. dont used too much
force to break up adhesions
You may have Luxations of the

Vertebrae, cervical are the most common & dangerous, hanging produces luxation, above the third vertebrae reduction by hanging is sometimes successful, one person presses down on shoulders another pulls up on head - down in Dorsal & Lumbar vertebrae you generally have paralysis following You may have Inferior Maxillary luxatio. Sometimes ligaments stretch, and when pronounced there is a disagreeable crackling. You may apply pressure & give blows one after the other over the part bandages &c. It comes from a deficient secretion of Synovial fluid.

Blow on chin will produce a perfect luxation, one side of the ear produces a partial luxation, reduce them with your hands, press down jaw with your fingers in the mouth

and raise chin at the same time - be careful not to get your fingers caught. Dislocation of ribs. pull it in place & keep it there by adhesive plaster. Head of Clavicle may be in 3 ways on the sternal end. upwards, downwards & forwards. Head of scapula end is easily held, & easily replaced then apply a bandage to hold & keep in place. Head of Humerus in three ways there is marked changes in either, a subluxations is easily returned the Supra Spinatus is nearly always stretched in these dislocations - To reduce them, bend fore arm on arm and rotate this is when the head of bone is in the apilla, you can put it there, from either of the other forms. Elevation & rotation are all that are necessary

Dr. Pepper 12-9-1862.

Gout Continued- Gall stones frequently exist in this disease. The ligaments becomes thickened. a deposite of the lithate of soda. Internal Gout, sometimes called misplaced & various other names- It may affect the Brain, the Lungs- the Lungs, Kidneys & Bowels. the stomach is common part for it to attack. the symptoms are very alarming, but rarely fatal. the Heart may be forcibly attacked, & if it does not kill, will injure the heart It may attack the brain & person have symptoms like apoplexy- if he recovers the mind is not right. These are all due to this poison in the blood. lithate of soda. Predisposing It is a hereditary disease will attack young children when in the family. The tendency is generally controlled

not often the disease, so we may guard against it. Rich & Lazy have it. It has been said that great thinker have gout, but this is from want of out door exercise. The kind of food & drinks which produce this disease - As for drinks Sherry Madeira, port & Malt liquors. When the diathesis exist; very little will bring on a spell of gout. Effects of the disease, when only two or three attacks have been had there are no lesions, but after frequent attack, the ligaments are swollen you have gout stones. Inflammation, Gouty subjects rarely have Phthisis when the gout effects the heart is hard. Endocarditis may produce fatty degeneration of the organ, May effect the semilunar valves but not the Mitral, Rheumatism

attacks thus latter, Gout attack middle coat of the aorta. The liver is digalis sometimes lunged with blood. Pathology of Gout. Prout & Todd think Gout attacks fibrous structure, while Rheumatism the Gelatinous. Some think the contracted kidney, proceeds the Gouty diathesis

Dr Larsen 12-9-62

Anemia. The symtoms of anemia have a hurried pulse & respiration or have a simulative disease. Dr. Marshall Hall has written a beautiful book on the loss of blood. Head ache goes with Anaemia. The red globules are reduced very much from -127 to -109 specific 1060 fibrin. This is reduced very much & then albumen. Women are more liable to Anaemia then

mens. The indications for
Anaemia are the Preparations of
Iron. The coloring matter of
blood is not Iron. In threatened
Phthisis &c, often must give
Iron to build up the system.
Ramelia Ferri. Iron filings.
this is put through a sieve
by a magnet. Dose from 2 to 5 grs.
Vallets Ferri, Powdered Iron.
Made by passing Hydrogen
through red hot oxid of Iron
called Quevenne Iron.
The kind obtained from Black
Smiths shop is a mixture of
the Oxid & Sesque salts of Iron
then we have the Rust of Iron
which is a Carbonate. The
Ox has the Precipitate Carbo
nate which is a pure Carbonate
Dialyzed Ferri Carbonate

is Ballets Mags.

Dr. Smith 12-11-62

Luxation at the Elbow joint. Both bones of the fore-arm are generally thrown backward. You also have lateral dislocations. They are easily told. Ant. Post. luxation you have shortening of arm long elbow. To reduce it first you bend in elbow, first arm downward & rotate. To reduce lateral one rotate. Luxation of lower end of radius is rare. It is often taken for Barton's fracture. You may have luxations of the wrist. The head of the radius is sometimes thrown out of place, the hand is in extreme pronation you can feel the head of the bone. Diagnosis easy. You may luxations of the Metacarpal bones. Likewise of the Phalanges.

you reduce luxation of metacarpal bone of thumb by putting on the "clove hitch" so you can get a hold. This is done away with now. It is merely a manipulation pressing it into its place by your fingers.

Luxations of lower extremities. You may have dislocation of femur in 4 directions directions 5 of them. Smith divides them into 4-2 ants- 2 post. Nearly all backwards luxations the foot turns inwards, forwards turns the toes outward. Causes are violent, the lower part of limb meet the resistance, while the force is applied to the back. One may convert any of these luxations into any one you please. Forwards & backwards is the most common. To reduce it, lay patient on his back flex knee up

on his belly, rotate knee outwards and foes inwards.

Dr. Pepper 12+1-62

Diagnosis of Gout- When it attacks the ~~lungs~~ joints you cant mistake it. You may talk it from Rheumatism as this effect the large joints. Or have degeneration of the arteries when Gout is connected with the Heart. Gout attacks any age & occurs in the rich. You may test for Gout by getting serum of blood & subjecting it to nitric acid, you get the lithic acid in crystals. The Thera peutic test is Colchicum. Persons with gout are liable to sudden death. Your Prognosis is unfavorable when the Heart and other organs are complicated.

Treatment- You must guard against it when it is in the family by

exercise strict diet &c. Prophylactic measures are necessary. Bleeding has been carried to some extent, but this increases the disease. Local bleeding often increases the pain. Colchicum is a very useful remedy in this disease. It is not known how it acts. Dr. Todd is opposed to it, but Dr. Copper thinks it is very good used in any stage. Dose of good wine gtts XX combined with gr. XX of Bi-carbonate of sodat.

Lithium abounds in nature this has been used in Gout by Dr. Garrod. Bine Citrate of Lithia gr. 4 It is entirely too expensive 1.75 per 3j

External application. Common Chloroform liniment; emollient poultice, Diet moderate, Lithium mineral keep bowels right.

You may give some pills-containing Rhubarb & Gentian - We must act on kidneys. Sharon Springs is a good place for a gouty man to go- When it attacks the stomach, you must use sinapisms, aqua ammonia, Ipecac - Opium gr ½ j Brandy & water, dont push remedies for - When the heart is affected - You must immediately arouse the actions - Turpentine - stimulating injection

Dr. Carson 12-11-62

Hydrated Sesqui chride of Iron Made from the Per-Sulphate by the means of ammonia - SO_3 & NO_5 are the acids used - This salt is a test for arsenious acid, and used as an antidote for this poison It must be fresh when used - Sulphate of Iron, made by SO_3

prepared on oxide of Iron (Iron filings)
It of a green color, contains a
great deal of water of crystalli
zation & effloresced to the air
it will crumble into a white
powder called efflorescatum
Soluble in water but not in Alco
hol. Incompatible with the
alkalies, Tannic acid, & acetate of
Lead. Emetic in doses of 15 to 20 grains
In large doses violent inflamma-
tion is produced. Used in Dys
entery with opium. Given
also with an effectorant in
Phthisis, used in debility, Purpura
Ulcerative condition of the alimen
tary canal. Dose 1 grain. The
dried state is to be used in Pills
added to some honey. It is used
in the Mistura Ferri compos
Griffiths anti-Emetic mixture.

Sesque Chloride of Iron or
Muriate of Iron. It is a Tonic
with affinity for the Kidneys.
Dose 10 drops for adults given in
sweetened water. It effects the teeth
Magnesia & Soda are antidotes
for this. Ferri et Potassæ Tartras.
Made from the Hydrated sesque
oxide of Iron & Bitartrate of Potassa
This is capable of building up
the system. It is the base of the
Mixture of Iron. This salt may
be given with lemon syrup
It is not decomposed.
Iron alum of the shops, is the
ammonia Sulphas of Iron.
Mineral salts. Or Sulphate of Iron.
This may be used internal as
a tonic, Good Styptic.
Phosphate of Iron. It is green
ish color. Soluble in water by

addition of an acid (Lemon malic
℞ - When there is a deficiency of
Ferri Phosphas ʒ j
Calcis Phosphas ʒ ß
Sodæ Phosphas ʒ ß
Potassæ Phosphas ʒ ß
Make 12 powders give one every
three hours.
Prussian Blue, Ferro-Cyanuret
of Iron - Made by $FeCl_3$ &
Ferro Cyanuret of Potassium -
Dose 5 grains - Ferri ammoniatum
Iodide of Iron - This is good to
give Iodine in the form of pill
Dose ß to 1 grains - Sol of this is
used in Chronic Syphilis & some
of the skin affections Dose 10 to 20 gtt
Citrate of Iron is a good article
it is mild - Dose 1 to 5 grains -
Lactate of Iron - Dark color, very
mild, good for children - Dose 1 to 5 gr

Dr. Smith 12-12-62

Diagnosis of the dislocation of the head of the Femur is very difficult: but by anesthetics we may get a correct conclusion. The Luxation at the Sciatic notch is the hardest Luxations of the Knee joint. The Patella may be luxated in three directions. Inward, outwards & Rotated. Luxation caused by Calvary, get run into by the breast of a horse. The Lateral Luxations of knee joints or partial Luxations generally produced by disease. To reduce dislocation of semilunar cartilage of knee joint. Seat the person on edge of table. & flex leg under suddenly. If it is a sprain it will do no harm.

Sprains. Prognosis must be guarded. Recent sprains are more favorable. Treatment, Combat Inflammation

put the part at once in cold water 53° & keep it there 24 hours - When taken out guard against reactionary action apply wet cloths, and gradually bring the temperature up - If you dont use sprains sometimes you must treat it as cold water dressings - You may have to use hot water get it to 120° gradually & when you take it out, reduce it gradually - When there is much swelling & tumefaction, put arm in splint, a big iron frame box - dont make full extension if there is too much pain - always give them a comfortable position guard against anchylosis - dont let bandage stay on too long -

Synovitis may arise from cold - or in connection with Rheumatism & Gout - Sprains produce it - Increase secretion of Synovial

When we have a deposit of lymph & fibrin outside synovial capsule in knee joint it is called swelling a arthritis, Synovitis is within the joint. Acute Synovitis treat as a sprain - Chronic synovitis treat like Hydrocele You tap the joint with a trocher & canulla, have a syringe filled with Lugols solution ½ pt to ½ of water - inject this, squeeze out liquid and strap up aperture with adhesive plaster, In the course of time matter passing would to prevent anchylosis

D. Carson - 12-13-62

$Bi + 4\,NO_3 = BiO_3\,3NO_3 - NO_2$

$4\,BiO_3\,3NO_3$

$= 3\,BiO_3\,NO_3 + BiO_3\,9NO_3 -$

$Bi_2O_3\,NO_3 + HO$

Nitrate of Bismuth This is not soluble in alcohol but is in NO_3

It has a tendency to operate on the nervous system, when it does not poison, there is vomiting & nausea. In small doses it is a tonic & constipates the bowels. It alleviates irritation of the stomach has been used in Water Brash.

It is not determined whether it enters the circulation it is so insoluble. It will blacken the stools, Dose 1 or 2 grains. It contains Arsenic, comes from the metal originally. It has been proposed to convert it into a carbonate & then back to the sub metal. This will rid it of its arsenic.

Argentum - Silver. The best preparation of this is the Nitrate made by putting NO_3 on the Metal. Copper is in this from the

metal but will deposit.
It ought to be kept from the light
dust will turn black, if any
organic matter gets to it.
It has no water of crystallization.
When it is run into moulds it
is called Lunar caustic. This
presents itself in two forms
one contains 32 per cent of the
$RO\,NO_5$. the other is pure.
by putting chloride of silver with
it will make it tough. We may
paint it by heating a silver spoon
and rotating the stick over its
surface. To kill the shine from
the pestle. The salts will not
cut down granulations.
Incompatibles, Alkalies will throw
down the oxides. Phosphates will
give a yellow precipitate, Caps
Fowlers solution, & Chloride of Sodium

a any salt containing chlorine
Chloride of Sodium as the antido
soap will also do as Phosphate of Soda
Albumen will throw down a
precipitate of course will take it out
se will ammonia. When taken
into the stomach is converted into
a chloride & is taken up in this way
It has been found in several organs
the internal organs have been flushed
Ap is an Antispasmodic, astringent
and a tonic. If long continued
will produce chronic irritation
It has been recommended in the
treatment of Epilepsy. but it
flushes the skin too much
It tannins are for alimentary canal
in dyspepsia. It may be employed
in ulceration of the bowels if it
is brought in contact with the ulcer
One 1/8 of a gram 3 or 4 times a day

Make pills and gradually increase
the dose - ½ gr - Make the pills up
with Gum Gum in solution it
blackens the teeth. The oxide of
silver is sometimes used with
morphia - The Cyanuretus used
for making Hydrocyanic acid -
Acid Sulphuricum - SO_3 - Oil
of Vitriol - This obtained from com
merce - If decomposes animal
tissues - Sulphate of ammonia
will be produced - It is capable
of inducing Gastro enteritis -
Alkaline earths, and the Antidotes
Soap, Magnesia, Potassa wash in
the stalls - Dont give Gelatine or
mucilaginous drinks freely -
It is an astringent & Refrigerant -

Dr. Carson 12-15-62

Acidum Nitricum - NO_5 - made
by the action NO_5 on $KO.NO_5$ -

S-B 1742. Incompatibles. Sulphate of Iron, the salifiable bases. When it has been swallowed, you have the symptoms of Gastric inflammation like SO_3 but you may kill the NO_3 by staining the lips yellow. Treatment for the most of this Acid the same as that for SO_3. In small doses it helps digestion increases the pulse & opens the pores of the skin. It stimulates the Liver also. In the latter stages of Hepatitis it may be used instead of Hg. Good in Dysentery. Hopes Mixture

℞ Acidi Nitrici ℥j
Tinct Opii gtt xl
Aquae Comptae ℥viij -
Dent. give this out of a silver spoon. The dilute NO_3 is made 1 part of this acid to 6 of water

NO_3 is used as an antiseptic. The dilute may be used in the treatment of sore throat. in Diptheria Clergymens sore throat. in Gleet it is very severe.

Allens Ointment

℞

Acidi Nitrici	ʒ V/ß
Olei Olivæ	℥ j
Adipis	ʒ IV
Misce	

HCl Muriatic acid.

Dr. Smith 12-15-62

Synovitis & arthritis. the first may produce false anchylosis & the latter true. the first have distinction their effusion, thickening of the tissues. Ring Bone, & Spavin in a horse is due to one of the diseases. Exfoliation is the rubbing off of the

head of the bone.

Coxalgia - Morbus Coxarius - Hip disease

Coxalgia means a nervous pain in the hip, but this is not a nervous pain, the latter names are better. If you inject the capsular ligament the femur will abduct: rotate out of the head of bone & also an elevation of near 60°. Symptoms - Children are most common, Causes are general & local, Tubercular diathesis is a common cause, Loose joints naturally, Rheumatism & Gout - Local causes are falls &c. We have three stages - first not often marked usually child begins by flexing the limb going to that side, the have pain & modification of motion. Pain generally inner side of the knee joint, sometimes at ankle

the limb will now be flexed at the knee & the sound limb will be the shortest. Lay the patient on a table and if the thigh touches the same plane as the back, limb being straight there is not. Hip disease. then we have fem. at night.
2nd is characterized by the signs of inflammation in the joint. slightest motion exceedingly painful when you stand patient up the Buttock will be flat on disease side & the crease runs straight. signs of inflammation soon become well marked in soft tissue. Hectic symptoms may set in & the child soon die. this last is the 3rd stage. ankylosis The child may get well if treated well. You dont have dislocation in the new plan of treatment. You use to have it on the old treatment.

Dr Pepper 12-15-62.

Chronic Inflammation of Throat.
This is very generally local unaccompanied by constitution symptoms.
Treatment according to the cause.
various astringents are called for.
Sargle of Alum, $ZnO.SO_3$ - $CuO.SO_3$
$Fe_2O_3.H_2O_5$ - Lozenges containing
Capsicum. Singers Sore Throat

℞

Cinchona Rub	℥j
aquae	ℴ ℥j
Mel	℥j
Sulph Cupri	gr. X

Diurnal. Taken by hearty chill headache, pain in the back, ulcerous sore throat. thick albuminous deposit over throat: patient cant swallow a health hearing becomes bad, cant talk, suffers

a great deal. The Pus escapes about the 7th day. & patient may get well Tonsilitis is generally in one gland but when it attacks both in the very young death may ensue. This disease though alarming is not dangerous. Causes sudden changes in atmosphere, Scrofulous diathesis, hereditary tendency. This may end in Chronic Tonsilitis, & this latter may come from use of tobacco. Glands are not as large as the acute, as rough & hard, the matter is about the consistance of cheese sometimes, and causes bad breath. Stones are embedded occasionly. Treatment of Acute. If called early. Ag O N O3 will do good but when it is well established promote Suppuration, but poultices nutritious food when you can

must head. Sweet head, Patient cant swallow fluids. Maintain the patients strength. Treatment for Chronic, bear in mind the cough, if from Scrofulus Cachexia, send to the country. If from Dyspepsia, Moderate diet. If from Local causes, Lugols Solution combined with Mucilage, Iodine ointment externally. If all fail then comes the operation, you must cut a piece off the tonsil, former is generally resorted to. Uvula is liable to Inflammation, treatment same as for Tonsilitis. If you have to operate, only cut a little of it off. Oedema of the Glottis, this is more common in chronic Tonsilitis, Sudden death from this disease is not uncommon. It contains a thick gelatinous matter

you must open with a bistoury and squeeze the contents out. Diptheria. This is not properly a local disease. It has been called by various names. all of which means a membrane which is the characteristic of the disease.

Local appearance. You first find a deposit in patches, sometimes on one side a bolt, then run in to each other, it has an ash or yellow color. you have pain an enlargement of submaxillary gland. a fluid from the nostril excoriating the lips. There is something in the blood which gives rise to this deposit. breath becomes bad, spt to gangrenous. General symptoms. These differ very much, sometimes no constitutional symptoms, at other times very great

In the Malignant form, you have severe symptoms. We have a croup form, which is very fatal. Another form has a tendency to ulcerate. Diphtheria has proved fatal without any complications of the Larynx. This disease is dangerous, but may recover if properly treated. Paralysis is very common after this disease. Lesions. The Membrane is yellowish & leathery, sometimes ashy.

Dr. Smith 12-16-62

Morbus Coxarius Continued.

Prognosis. Patient will generally be lame, but may be cured in a few months. Dr. Davis N.Y. has the credit of this new plan of treatment. Extension made by adhesive plaster spread on cloth

muslin. Counter extension made by perineal band. For extension long strips of adhesive plaster are put on each side of leg, from thigh one half way down between knee & ankle, then a piece of rubber is attached; oblique strips are then put on around the leg then a roller is put up this leg. This last stay on 48 hours. The weight may be the tape & rubber, to a weight run over a pulley, regulate this weight average 4 to 12 lbs. The counter extension at this time is the weight of the body. Attend now to the general health. This keeps patient in bed. Bum elastic bands are called accumulative force. This is used for the counter extension. Is attached to end of a peculiar splint. Splint has a key to alter its length. Plaster mon

between counter splinting band & shins. buckel the band. The inside extension tape has nothing to do in this. put a band one knee. and around the thigh, screw the splint to the right extension, this is treatment during the day. Take this splint off at night, rub parts with Linamenti Saponi camph-

Diseases of the Continuity of the Bones.

The Periosteum is liable to be inflamed is called Periostitis. It is generally the result of local causes. Blows. Externally occurs in adult. It may end in Resolution, a Gangrene &c. Symptoms of acute. Pain on the bone on pressure. parts swell this swelling is circumscribed & Unnatural runs on to suppuration. we have the constitutional symptoms. patient cool sleep

at night. In chronic form symptoms are less marked. Hypertrophy may result. when a lump is left from syphilis it is called a node

Dr Carson 12-16-62

Hcl continued. This is a corrosive acid 21. coagulates the blood is a refrigerent & antiseptic. Used to stimulate ulcers, in combination with Calcium given as a gargle is excellent

Dose of Hcl 5 to 20 gtts. used in Erysipelas in large doses. with Iron it is used in Puerperal fevers given before delivery - Nitro Muriatic acid - Made one part of NO_5 - oth and two of Hcl - This is alterative and acts especially on the Liver used as a substitute for NO_5 - given in 2 o drop doses diluted. Glaucoma is a disease in which you can

gone one of these acids with a bitter Infusion, Serpentaria is very good. You must watch the state of the alimentary canal. Sponge over the region of the liver with Nitromuriatic acid is good for engorgement of that organ

$$2HCl \begin{cases} HCl \text{ ——— } HCl \\ Cl \text{ ——— } Cl \\ H \text{ ——— } HO \end{cases} \quad NO_5 \begin{cases} O \\ NO_4 \text{ ——— } NO_4 \end{cases}$$

Sir Humphrey Davy's Rationale

Hence Nitromuriatic acid consists of HCl, Cl, HO, NO_4. Antidote for Chlorine is Gluten.

Labaraques Solutions is a compound of Chlorine with Soda. Oleum Morrhuae. Cod Liver oil. The shore oil is a beautiful light color. kept in our shops.

By letting the livers ferment we get a red colored liquid called chrysophanic acid. We have a darker variety coming from Putrid Livers.
The analysis was made by Dr. Shen. SO_3 put on Cod liver oil & we get a purple color. It is a test for the genuine oil. You may also tell by the order & taste. The medical properties. It was first used in Rheumatism. It is now used in Phthisis. It is not known how it acts.

Dr. Smith 12-18-62

Diseases of Bones Continued. Periosteum The only difference between these diseases and those of the soft parts is the hard matter of the former. It is the cancellated tissue that suppurates in the bones. If it is the

of Tissue of Bone it is Periostitis, inter-
Endostitis if commences in bone
itself it is ostitis - Treatment of
Periostitis is the same as for inflam-
mation elsewhere. If. anti-Tech
Rub in Aconitia with Lard. or
some other anodynes. You may
have to cut down to the bone -
Then use your remedies. You must
draw the blood away from the part -
General Treatment is General principle
In Chronic Periostitis, Most of
the Syphilitic are due to this.
We must use counter irritants
alterative, Iodide of Potash in
large doses acts very beneficially -
This will stimulate the circulation
Make the throat sore - Mercury used
to be given, but Dr Smith dont like it.
you may impair Nutrition with them
Ostitis is generally found in the

young and where there is a large amt
of Cancilated tissue, also in Tubercular
diathesis. Causes effusion of Inflam
mation from Periostitis, blow causing
concussion, Tubercles or cancerous
deposits may cause it. This generally
causes Endosteitis. The Patient feels a pain
in the bones but can not tell you
exactly where it is. Pain is deep
seated, time inflamation comes on
exactly - produces Periostitis we then
have the symptoms of this it comes
on externally to the surface, & is eva
cuated externally, it occurs particular
ly in the Tibia and near its head.
Diagnosis is difficult, Prognosis
must be guarded as you can't tell the
extent, it generally results in an ab
scess, may result in Gangrene, Necro
sis, a death of the bone, Hypertrophy
& caries may result; Treatment depends

in Diagnosis. Give at first Anodyne & Purgatives. When you find out it is Ostitis or endostitis cut down to the bone & trephine it. let the matter out heal it then by stimulants like any other abscess. Nature will throw off the sequestra but it is better to do it yourself. Healthy ulceration of bone is distinct from unhealthy ulceration which is Caries

Dr. Carson 12-18-62

℞

Olei Morrhuæ	℥j.	This is Children's dose and Grown persons ℥ss.
Acaciæ	℥ij	
Sach alba	℥ss	
Tinct Card Comp.	℥ij	
Aquæ	℥iij ss	
	℥v	

M. Make an Emulsion

Arterial Stimulants sometimes called Diffusible Stimulants.

These act Primarily on the stomach and the impression kept up by absorbtion.

Carbonate of Ammonia made by a double decomposition between the Carbonate of Lime & Muriate of Ammonia. It is a sesqui Carbonate when first obtained, but will lose some more of it CO_2 which makes it neutral, by exposure it will lose some Ammonia & be converted into a bicarbonate. It differs in with the acids - It acts on the kidneys, and is a good Diaphoretics, and acts on the Pulmonary apparatus making it an expectorant, it is also an antacid. In large doses it affects the brain, & produce Nausea & vomiting

When it neutralizes an acid in the Stomach, CO_2 will escape through the mouth. It heals down the blood, renders it uncoagulable. Good in Hemorrhage. In Measles, Scarlatina & other exanthematous diseases.
It is very much used in Scarlatina used in the latter stages of Pneumonia In latter stages of Phthisis it is good also useful in Rheumatism, Gout, Dyspepsia, Hysteria, & as an antidote to some poisons, Hydrocyanic acid. Spends in the treatment of drunkards -

℞
Ammonia Carb ʒ j.
Spt Lavand Comp ʒ ij.
Acaciæ ℥ij
Sacch ʒ ij
aquæ ℥vj

Dose ʒ j

Dr. Smith 12-19-62.

The slough which comes away from Caries is a scale of bone. It feels gritty. The cause of Caries is anything that will produce inflammation of bone. Syphilis and Mercury are causes. The opening or skin is sometimes very small we have thickening of the parts around. General symptoms vary according to degree of inflammation, we always have some constitutional symptoms. The prognosis depends on patient, extent of disease, cause of the disorder. Treatment, first remove the cause, create healthy action. Local check inflammatory action by counter irritants, mineral acids, Gastric juice of the Hog. HCl. remove the diseased portion by gouges, punches, chisel, circular saws, knives, scoops, after the removal

of dead bone apply stimulant: lint
wet with ZnO & CO_3 gr. ij to ℥j of water H_2O
In cases of the spine you can do very
little for the disease. Necrosis differs
from caries in throwing off large
pieces of bones. It is a mortification
of bone. It is the compact part of the
bone which suffers - Caries. Ulcer-
ated, Internal, Partial & Complete -
Caries ossiens. The portion of bone
thrown off is white then the healthy one
Necrosis occupies from 2 to 18 months -
Nature always attempts to throw off
the old bone, and new bone is formed
around the old. Dont cut down
until old bone is perfectly loose -
Resections are operations in which
you cut out a certain portion of bone
This is known as Conservative surgery -
You do not remove the soft parts.

Dr. Larson 12-20-62

Carbonate of ammonia. This is good in the treatment for poison from serpents. It acts as a stimulant. Whiskey is very advantageous given with opium for these bites. Dose of Carbonate of ammonia 2½ grains

Turpentine obtained by distilling the juice which flows out of the several pines. Clear & transparent when first obtained. Consist of C_{20} H_{16}. Alcohol is added forms camphene. Soluble in alcohol & Ether. Sp Gr .86 boils at same temperature as volatile oils. Plants neither decay when coming in contact with turpentine, when first injected into tissues & acts on the kidneys of animals. Given to man 20 & 30 drops produces diuresis in stomach, breath smells of it

so does urine. Odour like that of violets; in ℥ j doses may act on the bowels - ℥ ij have been given without bad effects. Turpentine is used as a stimulant in intermittent fever - also in Typhoid fever - It has been recommended in Puerperal fevers but certain cases it can be used in. In this disease we must always depend according to the strength of the patient & their keep them under the influence of Opium & calomel. Turpentine has been used in Tetanus; Good for old persons dropped on sugar. Dose of oil 10 to 15 drops. Injection made ℥ ij to ℥ j of Mucilage - Capsicum Annuum - The pod is used. Capsicin is the active

principle. Incompatible with Tannin and most of the alkaline salts. may be given in low forms of Scarlatina with Carbonate of Ammonia. An Infusion with salt & peppermint is a good gargle. Phosphorus is dirived from bone earth. It is brittle about the freezing point above that is soft. Is soluble in Ether, To give a dose make a solution in Ether then dilute it; $\frac{1}{100}$ to $\frac{1}{10}$ of a grain. an $\frac{1}{8}$ of a grain produces inflammation of the stomach.

D. Carson 12.22.62

Alcohol. When burnt this article turns into Water & CO_2. It is a solvent for a great many substances with acids it generates Ether. It is a stimulant when applied to

a yeast by friction. Good for burns. it counteracts the reaction & destroys Turpentine -

Evaporating Lotion

℞

Ether	℥ j
Alcohol	℥ j
Plumbi subacet	℥ ß
aquæ	℥ VII

Good in the treatment of Erisipelas that Alcohol is absorbed there is no doubt Alcohol is mostly used in the form of Brandy in a Therapeutics point of view. This is put into a milk punch to make the light put a wine glass full of Lime water in every tumbler full of the punch In the fermented liquors the malt liquors are generally used. Port wine is hard to get pure - light wines, Hoc, Catawba &c -

D. Smith 12-22-62.

Ligature of Arteries.

(Lines for Ligation of Arteries.)

In dissections, you must have an assistant to sponge the parts. You must arange your incision to cut parallel with the muscular fibres. Never cut a main nerve, artery or vein. 6th Rule keep the part clean. 7th remove only the unhealthy part. 8th dissect off and replace the periosteum. 9th bring all the different parts to the same level after operating. 10th heal the wound by the first intention. 11th If at first your limb keep straight, if ulcerated 12th Rule to establish an artificial joint.

Ligation of Arteries.

Rule 1st. To expose artery without injuring the muscles, make superficial

22 Expose the artery with as little harm to the surrounding parts as possible - Cut oblique to the course of the artery when deep seated & parallel when superficial.
In taking it up put the tenaculum between artery and vein.
Ligation of the Primitive Carotid
The great muscle of the neck is the Sterno Cleido Mastoideus.
is the line of reference for the carotid high up - bend the head to one side & you expose S.C.M.
Cut through skin first down on fibres of muscle - dissect carefully when you come to sheath it lies behind vein, dont cut descendens noni which is on sheath - for if you will injure some
Open sheath pass the needle so as not to injure vein & nerve

The Sterno Hyoid muscle is the one of reference in tying Carotid low down. Lingual artery. 2-23-62
The apillary artery is tied on the inner edge of the Coraco Brachialis muscle & The Brachial artery is tied on inner edge of Biceps. You may tie the Ulnar artery at the wrist the Flexor Carpi Ulnaris is the point of reference. You may tie the radial when it goes to the thumb in between the tendons of the thumbs.

Dr. Carson 1-3-63

Opium is the concrete juice of Papaver Somniferum. It is the impure capsules that are used the seeds are very numerous said to be 3000 in a capsule Leaves & stalks contain No Morphia This plant is a native of Asia it was a staple as early as 1607

see same date further on.

Lines for Hip joint by Dispanc

1st From ant. Sup Spin ilium drop perpendicular 1½ inches long & ½ inch inside its joint.

2nd From ant Inf Spin Ilium drop perpendicular ½ inch long its end corresponds to upper part of joint.

3rd From spine pubis transversely cut. from drop perpendicular ½ inch long its end falls in joint

4th Draw a line from ½ inch long from Sup & external part of great trochanter. Then a line ½ inch long at right angle to its end, reaches external side of head

Lallouettes line.

Semicircular incision from great trochanter to tuberosity ischii

Lines for Ligation of Arteries.

Primitive Carotid.

Lingual — Incise 1½ lines from greater Cornu of Os Hyoid parallel with greater Cornu. The Hypoglossal nerve is just above.

Facial — Incise 1½ inches obliquely from inferior edge of Masseter to angle of mouth.

Temporal — Over root of Zygomatic process two lines in advance of ear

Subclavian — Parallel with clavicle or perpendicular line from apex of omo-clavicular triangle (or supra-clavicular fossa.)

Lines for Ligation of Arteries.

Axillary — 3/4 inch from anterior border of Axilla or junction of its anterior or middle third.

Brachial — From junction of anterior and middle of Axilla to point inside tendon of biceps at elbow.

Radial — For upper third, from 1/2 inch outside middle of bend of elbow to outer side of forearm. 2 1/2 inches lower, or for lower third from same point at elbow to inner edge of Styloid process of radius.

Ulnar — From internal condyle to radial side of pisiform bone, or from inner edge of tendon of biceps to junction of upper and middle third of Ulna and thence to pisiform bone.

Lines for Ligation of Arteries.

Primitive Iliac — Parallel with and ½ inch above Poupart's ligament from external abdominal ring to 1 or 2 inches above crest of ilium.

External Iliac — From 1½ inch from anterior superior Spinous process, transversely towards external column of external abdominal ring.

Femoral — From middle of crural arch to pectineus and internal part of condyle of femur. For upper part. Scarpa's triangle. middle third inner edge of Sartorious.

Anterior Tibial — From middle of popliteal space to foot, half way between internal Malleolus and tendo-Achilles.

Posterior Tibial — On foot from middle of space between head of fibula and Spine of tibia to middle of internal malleolar. Space.

Dr. Carson 12-23-62-

Nervous Stimulants. These medicines are most efficacious in spasmodic nervous disorders without lesions. Moschus. Musk. This is gotten from an animal a specie of deer from the Himalaya Mountains. The pouch is full about rutting season, & the animal resorts to artificial way of getting rid of it. He preserves himself against the wrecks. about 3 ij of Musk in each pouch it is of a brownish hue - dried bladder and fat - it is often adulterated. A volatile oil is the important principle. It must be kept in dry bottles. Some think it is a stimulant both to the Nervous & Arterial system - It makes an ano-

pression on the general organs -
useful in spasmodics, affections
Hysteria. Common Pill & emulsion
dose 5 grains - We have a tincture of this
We have an artificial musk
made by the action of Nitric acid
on the oil of amber -
Castor is obtained from the Cas
tor fiber, a species of Beaver -
We have two kinds one from
the american Beaver the other
Russian. It contains a volatile
oil - The tinct is very useful
in hysterics is dose 15 to 20 drops
Taste & odor are very peculiar -
12-29-62 - Valerian. This is the article
the Cats are so fond of - It is a
native of Europe, taken from the ground
in the fall. If grown in a wet soil
all the strength goes to the upper
part; if in a dry soil the root can

trains the strength. Adonis vernalis, taste bitter. It contains a volatile oil, & an acid. which are distilled over together. This medicine in large doses act on the nervous centres. It is amusing to see how a cat will act in a fit of this. This Medicine is also a tonic. Used in Nervous Paralysis. Feebleness of Muscular action. These diseases are not connected with organic Lesion. It has been recommend in Epilepsy but you must draw the distinction between the true & Hysteria form. This is good in Delerium Tremens. or Mania a potu in the early stages. When dyspepsia is brought on from alcoholic drinks. this is useful. Dose 20 grains. Aromatics are sometimes added.

It is best given in Infusion made of cold Water & by displacement. We have this tinctures. simple 2ʒ to Oj we may add this is an infusion of different medicines. The Ammoniated Tinct of Valerian. this is as good as the Valeranate of Ammonia which is expensive. Fluid extract is the preparation now used. dose. from 20 drops to ʒj. We may make a Tonic by adding ʒj of the Citrate of Iron to each ℥j. We have the Valeranate of Zinc. one of Iron and one of Quinia. the last two are expensive.

Assafetida. The source was for a long time was unknown. It has a root nearly as large as a man's body, it is black, fibres over upper part, stuth thick & Channeled. It comes from the base of the Himalaya Mountain

Is a native of Persia. derived from
two Greek words, means smelling &
stinking: the juice is a milky
looking. The old large plants fur-
nish the most juice. It is the
inspissated juice, which concretes.
Brown externally, when pieces
is first made has a mottled aspect.
but becomes red on exposure of pecu-
liar odor peculiar & penetrating. It is
due to a volatile oil. It is hard
to reduce to a powder. Camphor
will help it to powder, but changes it.
soluble in strong alcohol. It is a
stimulant: used as a Stomachic.
It also has special tendency to the
lungs, acts as an expectorant, will
also relax the bowels. also antispas-
modic. It emits the circulation:
12 grains produces heat in the bowels

Dr. Smith 12-29-02-

Resections. Joint of Upper Jaw. Two Methods Johnston & Warrens. First consist of two vertical & a crazed incision. Second a semicircular incision nearly the course of ducks bill. The last opposes the parts more fully. Resection of half of lower jaw, make incision around the base to middle of chin, divide soft parts all off of bone shave off soft parts immediately under chin part of Genio Hyoid Muscle, disarticulate at angle. Resection of Head of Humerus. Cut from summit of Acromio clavicular triangle down on head of bone continued near insertion of deltoid muscle.

Resection of Elbow Joint. Make incision like the Ellis H, look out for ulnar nerve push it out of the way. turn off both flaps semilunar the anterior flap as usual

12-30-02 Resection of the Bones of the forearm

sent- divide the tendons going to the fingers. Resection of Radius, make the incision along its anterior border make a transverse one nearly through the skin

℞ Carson 12-30-02

Asafoetida continued. Dose 5 grains. First made with strong alcohol.

℞

Pul Asafoetidae	℈ XX
Rhei	℈ X
Aloes	℈ X
Saponis	℈ V
Ol Caraway	℈ IV

Made into 10 pills give 2 at a dose.

Succinum- Amber- found along the Baltic, Caspian sea, in masses of a brown color when wash its bright color is brought out. It is without odor & taste. Heat acts on it & brings it

into a managable state. It contains oil & anaid. Oil soluble in Carbo-Hydrogens & alcohol. This is a powerful nervous stimulant. It will speak on the kidneys, it is not much used internally, not enough - Good in hysterical women in Hiccough, best given in the form of an Emulsion. Good for external application for Children Whooping-Cough rub it along the spine with linseed oil, or linet. Saponis. Camph - also in Catarrh of Children rubbed on chest & side externally, also in Pneumonia. In Bowel affection of Children, rub it on abdomen with ½ Oz. it makes artificial Musk Dipples animal oil made from animal refuge & this substance Allium will come under spirit,

Dracontium a Skunk Cabbage - This is a disagreeable medicine Thea - Coffea are well known They are stimulant & prevent waste of animal tissue from the large amnt of Nitrogen they contain Cerebral stimulants -

Dr Smith 1-2-63

Amputations. We have simple & double flap operations & Oval ones. A good stump is a doubling like one A rule to cut a flap by - Measure the circumference of the limb & take one fifth of this measure, it will leave you enough soft parts - This is for the circular operation, for flaps give one third, prevent a conical stump - Teale's modification of flap operation he forms an anterior flap long - Posterior one short. And

half the Circumference, and half the length the Arm. Be carefull to take edges from fingers breadth below tuberosity of Tibia is the place to amputate when man is to wear a wooden leg, if is to be cut as low down as you can. In amputating. First see everything is ready, secure a good assistant, second have your assistants, third tell them what to do, fourth, see what you want to have done, fifth treat wounded part with respect, sixth, retain the parts properly, must arrange your plan of dressing before the operation.

Dr Corson 1-3-63

Look back a few pages for the beginning of this subject Opium — A perfectly clear bland oil can be obtained from the seeds, it is as sweet as olive oil, contains

no Morphia a narcotic properties. This is known as the oil of Ben. When you incise the head the first juice is like milk & is the best next is red & next black first rarely gets him. You may get an extract from the juice afterwards by pressure. Opium is adulterated with various articles Sand, Cowdung, various juices &c. When it is soft may be worked with the hand. Sand makes it gritty, Cowdung destroys its homogeneousness Treacle makes it dobby. Pure opium should burn with a tranquil blue flame without fragrance. Turkey from Levant & India Smyrna is the best. comes in Mass 1½ lb. it contains from 6 to 7 per cent of Morphia. Constantinople comes in cylindrical form. it has the

impression of the leaf stamped into it partially remains. Taken after ridden internally - contains 1/2 Morphia, this is uniform & known from use in Turk &c - Egyptians - is still darker has same strength as last, rarely comes here is little used. Mocha Mocha Cautus. Benares. Patna Marwar The Indian opium is confined to the East - Comes to China in Clipper vessels - This does not contain as much Morphia as the Smyrna but under the microscope more beautiful crystals. Used in combination with Narcotin and (the active principle) - Morphia Narcotina, are the active constituents Morphia is the most active, when pure it is in fawn colored crystals. Insoluble in cold, but slightly so in boiling, is soluble in also

hol + the fixed + volatile oil, but insoluble in Ether. Hist for it put in water Muriatic acid put on it changes to a blush black add salts of Iron forms a blush black color with morphia add salts, when NO_5 is brought in contact we get a red color. Brucia is turned red by NO_5 but the other test settles it. Another test is with Iodic acid gives purple color. Narcotina is obtained from the Morphia first thrown down then is taken up by Ether, this in white crystals, Sparingly soluble in water. dont give a red but a yellow color with NO_5 Not the same color with Iron + Ma

1-5-63- Opium prepared by Ether was called denarcotized opium. Narcotina cannot produced any Narcotic effect.

Codia. This principle has been found
in close contact with Morphia. A sepa-
ration can be brought about by
chemical means & we get a crys-
tallizable substance. This is only used
when opium or Morphia cant be dis-
pensed. When the Ganglionic system
of nerves are effected. Meconic Acid
Meconic is in brown crystals.
Caustic alkalies throw down a precipitate
with the Meconates. With Nitrate of silver
we have a dilicate precipitate Meconate
of silver. BaO, SO_3 we have a green color.
Acetate of lead precipitate, Tannic acid
neutralizes the alkaloids. This is the
antidote. Meconic acid is set free
Iron salt of Iron is Dr. Hamilton for
opium it gives a blood red color.
Application of Opium. No medicine
can be more general in its influence
We have 3 stages according to the Amount taken

2 Stress bear a simple relation to each other - The spirits Motor are greatly effected. First effect is stimulation, & depletion of tissues is due to the abstraction of Nerve power. The medicine enters the circulation Treatment for the poisonous effects - First evacuate the bowels by Mustard emetic, & stomach pump - We may use at this time a solution of Tannic acid. Tickle the fossa - dont let patient sleep - sprinkle him, thrash him - apply cold to the head dont draw blood. You may put cups to the head - If he gets worse, use artificial respiration. Marshall Halls speedy method, raising left shoulder as per hands down. Galvanism is also a good way.

Dr. Smith 1-5-63

Amputations. Of this Flap operations
Heels is the best. Circular operations
are better than these & should always
be preferred when circumstances permit
Terms your lines in flap operations as
not to include arteries. Perigoff opera-
1-6-63 tions & modification of Lines —
Guides to find internal side of Meta-
Tarso Tarsal joint —
1-a Transverse line drawn across
foot-Tuberosity of 5th Metatarsal
falls 2/3 inch behind joint.
2-b Finger passed from before back-
wards along internal inferior
border of Metatarsal of great
toe, Meets first eminence
then depression, then emi-
nence. joint lies between
the eminences

Turn over

3- C Joint is one inch in advance of projection of Scaphoid bone.

4- d Step foot on leg. Tendon of tibialis anticus inserted into internal Cuneiform bone and 1st Metatarsal will guide to the point.

5- e Point projecting most in front of Scaphoid being found joint lies 3 lines in front.

Dr. Carson 1-6-63.

You must watch a patient that has been poisoned by opium for 24 hours & stimulate him for fear he will sink even after having apparently gotten over its effects. There an certain persons that cant take opium. Sympathic

temperament bear opium best
Nervous the least; Sanguine bear
it well. In women it is apt to check
the menstrual discharge & it is used
for this with astringent. The young
& the pursanthe most susceptible
thigan to opium. Godfrey cordial
is used & we have opium fed children
which rarely fails to give ap-
pearance takes 2 or 3 ℥ in 24 hours with
out any effect. An opium eater is
known by his looks. If he commences
in adult life his days are not shortened
Climate has an effect in giving opium
It is used as a stimulant in Inter-
mittent fever must be given in
a full dose before the effects of opium
In low forms of fever in small
doses even when there is delirium.
It is given mostly to relieve pain
when there is inflammation pre-

it at the same time we anti-phlogistic
we give it to produce sleep, this must
depend on the state of the system & brain
we must have sleep in Mania a Potu &
we must watch the pulse when it is
contracted to a certain point dont
use Narcotics, see whether it is sensitive
Colic, this is often connected with
constipation but you must give
Opium you will find the bowels act
then a cathartic will act. Puerperal
convulsions give Opium by the rectum
we derive advantage from Opium
in Dysentery. In Puerperal Peritonitis
Opium with calomel is
a splendid remedy. Opium is
given in pill 1 grain each made
from the powder, we have this with
soap in them. Pil Saponis Comp
contains ½ grain. Tinct Thebaica
Laudanum, has 1¼ oz to Oj. 3j½ grain

to ℥ij of alcohol. When you get near the bottom of the bottle be careful as the sediment is very strong
Tinct Opii acet. Made with alcohol & vinegar ℥ij to Oi½. Strength 48 grains has been employed per black drop.
Tinct Opii Camp. We have two preps. one clear the other colored. Colored one made with liquorice. Camph. he told from Laudanum is now not used. 1695 of this is equiv to 1 gtt of Laud. Tinct Opii ℥ij ℏ ℥j. Strength 60 grains to 1 gtt Laud.
Acetum Opii, made with vinegar this is black drop. Strength 7½ grains dose 5 to 10 Min. Camp Opii contains 1 gr in 36. We may use this alone or in Mixture. Agrees effects as strong as Laudanum used for internal application Down Bowels.

Dr Carson 1-8-63.

Salts of Morphia. We have three of them. Sulphate of Morphia dose ¼ gr
Liquor Morphia Sulphas is made 1gr
to the ℥j. Magendie solution.
is gr ½ to the ℥j. Muriate of Morphia
We also have the acetate of Morphia
Lactucarium. Lettuce. This is
a weak narcotic. Dose 5 to 10 grs may
be increased to a ℥ss at a time. We have
a Tinct given in ℥ doses.
Hyoscyamus. This is a native
of Europe but cultivated in this
country. It is brought into the
market in a dried state & should
be the second year plant. Active prin
ciple Hyoscyami will Salts and
perhaps Malic acid, Soluble in
alcohol & Ether not so in Water.
Henbane is like the other Narcotic
It does not constipate & effect the

head like opium. It may be used in Lead colic combined with opium - also with Calomel. This article is very good in Neuralgia - in Mercurial pill.

℞ Zinci Oxidum gr. XII
Ext. Valeriana " XII
Ext. Hyoscyami " XII

Make Pil XXIV. take 2 at a dose -
The ext. is from inspissated juice
has an agreeable odour. dose gr. ½.
You may use this with blue mass

℞ Ext. Hyoscyami gr. iij
Cal Hydrargi " XII
Ext. Colocynth. Comp XXIV

Make Pil VI. 2 every three hours -
You have a tinct. ℥ij to ℥j. good
in Rheumatism in combination with
Colocynth.

Belladonna - Deadly Nightshade Atropa
Belladonna - A native of Europe, but
grown in this country is dangerous

active principle atropia, was discovered by Brandeis in 1819 - 1/30 gr has produced bad effects - Belladonna comes from two words means beautiful lady. This is said to produce a scarlet color on the skin. The blood vessels of the Heart & Brain are deeply engorged. cause of death. This was used as a poison in old times. This is good for treatment of inflammation of eye, it dilates the pupil. Surgeons use it before operating for Cataract. Good rubbed on perineum when patient has cordee, use in first stages of delivery, it relaxes the parts. It may produce narcotism in the child, but this is not so - but used by the Germans as a prophylactic for Scarlatina

1-9-63. Belladonna Continued. Preparations - Extract made by alcohol

from dried plant as it is made from inspissated juice. Dose ½ to 1 gr. Painting along a nerve in cases of intercostal neuralgia. Tinct. ℥ij to ℥j. You may apply this to the head in neuralgia by pressing in etc. May be used in Rheumatism with Colocynth. Atropia Dose 1/30 of grain. To dilate pupil dissolve 1 grain in ℥ j. of water & use one drop. Emplastrum made with resin plaster & extract of Belladonna, good for pain in stomach & enlarged ovary. Stramonium. Folia & Semen. Tamatium used because found first near Tamatum Va. It has a heavy odor, owes its properties to Datura, Goat will eat this seed. This has all the Narcotic effects resembles Hyoscyamus more than

Belladonna. After death we
see congestion of Stomach
Heart & Brain. This has been
called the Devils herb. This is
used in Mania where there is
nervous irritation. We may use
this with opium & Hyoscyamus
two a three seem to counteract
each dose only that of a Narcotic
It is smoked in asthma, in all
these there is some Nitrate of Potassa
These have not a definite strength
Extract is used, made from in
spissated juice. Dose ½ to 1 grain
Extract of seed made from alcohol
Tinct like that of Hyoscyamus
Ointment made from extract
it is useful in pain in amaurosis
painful eyes. Give this with
Goulards Extract.

Dulcamara, Solanum. ♁ plant

15 ft high. berries are dangerous
Contain Solania. This article
is a diaphoretic & alterative
Inf ℥j. of stems to Oj gradually Oj
Decoction good in Scaly diseases.
Has a depressing effect on the
genital organs last may 8 months
Humulus Lupulus. Hops. Lupu-
lin is a resinoid body has a
volatile oil which gives hops a
peculiar odor, This is narcotic, use
after a stronger narcotic has been
given, Make Hop pillow, cured
George Whitehead during one of his
drunken spells. Hop poultice
Infusion ℥j to Oj — Cant make
Decoct & Ext because drive off vol
atile oil — Can may use Tinct in
drunkards Hop tea. Dose of
Lupulin 5 to 10 grains — good
in cardiac

D:: Carsm 1-12-63

Cannabis Sativa Not Indica. Hemp
Often brought in bunches, called
Gunjee. Extract obtained from
this by alcohol. This plant belongs
to the same as Hops. Extract is same
as Hashish. Has bitter taste pecu
liar odor, causes exhilaration
Intoxication, pulse increases
Second stage drowsiness. It stim
ulate the genital organs used
in Neuralgia about the face
it produces little delirium
which is not dangerous, it blunds
sensibility. It does not constipate
diminish secretion or impair
the appetite, dose ¼ grain.
Camphor. Grows in Japan, North
of China, E.I. We obtain it by
distillation, all parts are used
cut it in pieces, put in a cru

cable with salt water & rice straw
at bottom & rice straw on top.
salt water is to keep wood from
burning & muck on straw to
catch camphor. This must be re-
fined. Japanese is pink, China Gray
It is refined in an iron vessel like
dutch oven with hole in centre
in which funnel is set. This is
to take off tension from heat within
You keep the heat up after awhile
by putting sand on top. Crystals
are transparent, soluble in water
to extent of three grains to ℥j. sol
uble in alcohol & essential oil,
is brittle & tough. When rubbed up
fine & a few drops of alcohol, is
inflammable, makes a lamp burn
out a flame, camphene kind is oxide
of camphene $C_{20} H_{16} O$. It is a steop
tine, neither gum a resin, or acid

Camphor is found in root of
Cinnamon tree. There is another
variety from Borneo & Sumatra.
found only in Lat: 8° to 5° N. large
dark tree - dug out of the Calyxes
of the tree. No camphor found
in young trees, but an oil - has
a distinct odor from camphor -
used to make trunks - in
middle aged trees both, camphor
& oil, in old trees nothing but camphor
This article is rarely brought here -
Camphor is sedative as told by impres-
sion on tongue & fossae - Small
does an agreeable warmth - relieves
pain &c - In doses of XX grains the heart
is lowered in its action, chilly sensa-
tion, respiration embarrassed -
pulse reduced - after a while - there
is a reaction - pulse raised, skin
dry, head ache, eyes red. palat in

animals, but not in Man, It is absorbed, has been detected in blood and in low forms of fever, delirium tremens, Diaphoretics, in delirium. low forms of small Pox - in Rheumatism (Chronic forms) Narcotic in this latter - used to prevent Paroxysms in intermittent fever - but reactions is severe if don't stop chill - and in Eruptive skin diseases to bring out eruptions. Dysmenorrhoea, Pareg ric & Elixir is good for this - Do after pains - put ½ grain Morphia ℥ ij aqua camph. this is very good in doses tablespoonful and in Gonorrhoea, for worms in the rectum - Dose from 2 to 5 grains in Powder or Pill - Emulsion - Liniment is alcoholic solution; Linimentum saponis Camp - Solid ope deliter - contains soap made out of animal matter this made about is fluid made by vegetable

1-13-63 Conium. two kinds. one from seed other from leaves. both from "Conium Maculatum."
This plant is found in Europe growing the road side in England used as a vegetable in Russia.
Its strength depends on the temperature while growing. Leaves have a light green color smell like mice, must be dried with care, at a moderate heat & quickly. Sometimes smell like Lapsogo chuse taste bitter & aromatic. Peculiar principle conia is a yellow color It is a volatile. Test, Tincture potassa separates acid & liberates the alkaline active principle precipitates. There is a volatile oil connected with this to which the smell is due. Cicuta is the name which the ancients knew it by. The Hemlock is a

Aconitum of

Classical plant. We find it in Poetry & prose. If fresh leaves applied to surface it irritates. If taken internally it stimulates circulation, delirium may be brought about. Muscles are paralyzed through the nerves especially those of chest. The heart is affected. It is said by some to act on the base of the brain, Medulla Oblongata, by altering circulation. Depression is marked from the beginning. Socrates was killed by this. He died without a struggle. It alleviates pains & produces sleep. Vincenzo Scrutino, Baron Stalk of Vienna brought it about for the cure of Cancer. It is good in hemorrhages of different organs. Good in Mania, Chronic cough, Phthisis. Dose 1 grain. Ac. hamburg extract. Dose ½ grain to 2 or 3

There is a great difference in the strength of the extracts we may use this with NO_3.-

℞

Ext Conii ℥ij XXIV
Acidi Nitri ℥ij XXX
aquæ ℥ij VIII
Dose a tablespoonful in tbsp.—

Ether $C_4 H_4 2HO + 2SO_3$
$C_4 H_5 O + 2SO_3 HO$
$C_4 H_5 O$ Ether.

This is only alcohol deprived of one HO and dehi. Has a hot taste when pure should not redden litmus Sp Gr 750- very volatile when brought near a lamp may ignite- when mixed burns with a blue flame- soluble in 10 water. We can procure heat by applying it- & cover with oil of vitriol & cold when allowed to evaporate.

When a teaspoonful is taken
persons cannot tell whether hot
or cold. has little effect on vas
cular system, but acts on nervous
system converts into a gas in
stomach - it may displace O
& blacken the blood. In large
doses intoxication & then stupor
Large doses can be taken by habit -
It is a link between arterial &
nervous stimulants. It is an
antispasmodic. It is only thru
its anesthetic properties that
Dr. Bacon put it under the head
Good in Syncope, low forms of fever
For passage of Gall stone through
duct it is soluble in this article.
Combine Morphia with it - full
dose of each - ℥j & ¼ grain - externally
used in Hernia drop it on Hernia -
Inhaled in asthma but it nau

never pushed & its effects were
not found out. Has been used
in Midwifery in Europe &c.
The Sponge is best mode of giving it.
1-15-63. Compound Spirits of Ether.
Spiritus Etheris Compositus. Hoff-
mans anodyne. This is not very
good it is often made with Ether
alcohol & the oil of wine. It is
an etherial oil (oil of wine). Test
for the oil. it clouds water with
water. This anodyne might be
come under the head of antispasmo-
dics. Dose from ½ to ℥j diluted with
Water ℥j. ℥ss.
Chloroform is obtained by dis-
tilling alcohol with the Chloride
of Lime. When put in water it
drops right through it. When
mixed must be given in Emulsion
It is a Chloride of Formyle. Nitro-
a

of its names - Soluble in alcohol & Ether slightly so in water - Discovered by Guthrie of Sandusky - may be used instead of Hoffmans anodyne in dose of 15 to 20 drops - Its Anesthetic properties are well known - You must be careful how you administer this to Nervous females - the Brain & Lungs have been found congested & the Heart in a flabby condition. Blood is almost black & is not disposed to coagulate, face is livid. It is ten times more powerful than Ether -

Effects of Medicines -

These medicines acts especially on the Motor Nerves -

Nux Vomica - from Strychnos Nux Vomica - has white bark called false Angustura bark, fruit pulpy melon, with seeds in inside

Ignasuric acid is the one found in this and Ignatia amara- Strychnia, when containing Brucia is turned red by HNO_3. Test for Strychnia Chromic acid, in form of Chromate of Potassa & SO_3 changes to a purple from the yellow. In small doses Nux Vomica is a Tonic. patient finds mouth is not stimulating. It acts on Motor nerve, produces stiffness may extend to pectoral muscles this is a sign it is going far enough & you may induce spasms. You see chillings, shocks. is bent forwards, legs fly up in air. Brain still clear. Light effects eye- touch is more acute.

1-16-63 Nux Vomica continued— Phosphoric acids & abeti in producing death— 15 grains has caused death

persons have received from ⅓ to
gran Screening. Galls is the best an-
tidote. You must get it from the stom-
ach as soon as possible - Cord in Hemi
plegia - We derive advantage in lead
poisoning from Nux Vomica - Gum
in Paralysis of the bladder - & of Sphincter ani
When dysentery is connected with
some relapation, it may be treated with
this medicine in doses ½ gr 3 times a day -
The Alcoholic ext: is one of the best
preparations - dose ½ gr 3 times a day -
may be combined with actual & then
makes a good Tonic - Tinct is some
times used. Give 10 drops - Strychnia
dose 1/16 to 1/20 of a grain - Nux vomica
when combined with an acid NO3 forms
it in its crystals - When used externally
Use ½ grains - Brucia very much like
Strychnia - St Ignatius Bean
Plant which grows in Philippine Island

This contains more Brucia & is easier to obtain that article from - You may use this for Strychnia. a Narcotism is produced. Doses as the same -

Ergotin - Spurred Rye - Ergotism and produces narcotism. The oil may be seperated by Ether - // Ergot is given in large doses it affects the head & Nerves Centres, this is reflexed on the Stomach. To Dr Sturms of N.Y. is due the knowledge of the action of Ergot on the Uterus.

1-87-68 Ergot helps to expel the placenta It has been recommended in Leucorrhoea & Menorrhoea by Marshall Hall but this are bitter remedies -

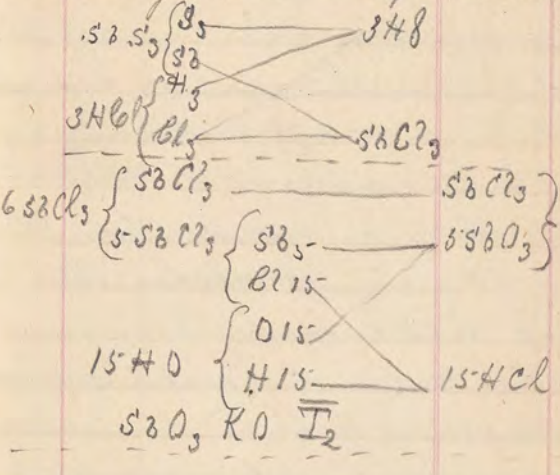
To suppress Hemorrhage 20 grains should be given at a dose - Tinct ℥j/ to ℥ VI of alcohol - Oil of Wine ℥j -

The oil is the part that acts on the uterus, abstracted by Ether

Sedatives. Arterial Sedatives.
Antimony. A metalic substance.
Known to the ancients under name
of Stibium. The Name Antimony
was given because used among the
Monks. The preperations of this metal
are the most active on the economy
Their activity depends on the solubility
When absorb in any manner pro-
duce vomiting greater than when
in contact with mucous membrane
Pulse becomes reduced so is respira-
tion, if you have Diaphoretic impression
The kidneys secrete more freely.
They are stimulants. The liver secretes
more freely, so does pancreas. No
effects on brain. Pulse may be reduced
to 34 in a minute & respiration 6.
Pulse may become intermittent &
the effects of antimony are lasting
when reduced low enough should

be stopped. perspiration is Antimony to stop it. Antimonials are also its effects are total, not chemical. In Pneumonia there is great tolerance of this medicine, sometimes you cant produce this tolerance dont produce Nausea & vomiting a second time. a forced tolerance is dangerous to patients from its depressing effects. When on the stomach dont use too much fluid. Infants & Women effected by this medicine than adults & Men. When Persons. their great proportions. Sanguis does produce irritation ulceration &c. he must settle the stomach, opium, plaster. Absorbs stimulants. Tartar Emetic in doses of $\frac{1}{32}$ of a grain acts as a peculiar alterative. especially in chronic.

1-19-03. Tartar & nitric. Boil the oxy chloride of antimony & the cream of Tartar together. See following -



This is destitute of color. Not soluble in alcohol, but is in diluted alcohol & ether. Tannin is incompatible as are the sulphurets. The crystals are bulkier than the powder. The latter contains iron & is more easily adulterated especially with cream of Tartar. This is the most active prep

dation of Antimony, rubbed on
skin produces a blister, internally
⅛ of grain gives nausea sometimes pro-
duces Nausea. Hemly gives ½ of grain
It depresses the system & the ac-
-cretions are very much increased
amounting almost to salivation
except there is no odor like that
from Mercurial, when too
much has been taken. Give
Black a Brandis, until you get
Tannic acid, gallic &c. This is admi
-rably adapted to inflammatory fever
In Bronchitis with fever, it pro-
duces diaphoresis by acting on cir-
culation. Good in Pleurisy. High
reputation in Pneumonia. Two
way of treating this. with Opium
& Mercury - or with Sedative agents.
In this disease Tartar Emetic may be
given in large doses, but after

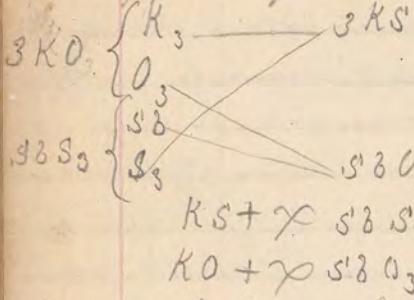
a change but will act beautifully.
Good plan is to combine with
Neutral Mixture. Tartar Emetic gr j
to Neutral mixture ℥vj. We may
employ it with Calomel. ½ grain pro-
mn & ℥ss of Calle.

℞

Tartar Emetic gr i
Potassae Nitras ℥ i
Chlorhydrargyrum gr VI

Make 12 powder give 1 every hour
Antimonial wine gr ij to ℥j. plain
sometimes diluted alcohol & Calomel
is used for Menstruum, but this is good
We may put a Burgundy pitch plaster
sprinkled with Tartar emetic on
chest for cold in chest or
1-20-63 Sulphuret of antimony three
Sulphuret but this precipitated is the
only one in the old Pharmacopeia
Kermes is to be placed in the neuron

Hermes cannot be made twice alike.
To make this Boil Potassa in the Tersulphuret of Antimony.



We get the Golden Sulphuret from the Mother liquid. You can get the intermediate by putting the acid on the supernatant while hot, this is the Precipitated Sulphuret.
The action of this in the stomach will depend on the quantity of acid & the Oxide present. They are used to produce an alterative effect. used in skin affections Syphilis. D^r Plumbers Pill contains Calomel. It is a compound Calomel pill

Pulvis antimonial. Pulv. Jacobi
James old Powder. This is an uncertain
preparation. Dose from 1/2 to 1 grain.
Potassæ Nitras. Salt Petre, met with
in India, along the Ganges, country
is flat & low, subject to inundation —
You obtain Nitre from soil by crystal-
ization. It is supposed it get thru by
Electrical influence. Vegetable remains
old lime urine &c. thrown into pits, is
the way artificial Nitre beds are made.
It is a dark color & in crystals. When
this is put through a process to get the
dirt out, the crystals will be in sup
erior prisms, contains no water of crys
talization, has water in interstices, is
a supporter of Combustion from part of
O it contains. Soluble in water not in
Alcohol. Gunpowder is made from it.
It is a Diuretic, produces refrigerant
effects. We may give as solid powder

an in solution. Good in Inflammatory affections. Exist in common paper when burnt. find it in Tobacco It excites the circulation, calcs the blood red, makes it liquid, reduces the fibrin. If Carbuic decease can be brought on. Used in Pneumonia with Tartar Emetic. You may combine with Neutral mixture, flavor with Lemon syrup. Two doses. for Diaphoretic 5 grains, Diuretic 10 grains. It is combined with Dovers Powder in treatment of Pneumonia of children, may add Calomel also. It is mistaken sometimes for Epsom salts, No antidote, but vomit. are used in fevers. Vegetables acids - Acetic, Tartaric & Citric acids, all in fruits. You may use bitartrate of Potassa to get Tartaric acid. Both Sulphuric & SO_3. Crystals are clear & transpa-

has no odor - It corrodes & decomposes
tissues, when diluted good drinks -
Cream of Tartar is used as a substitute
peculiarity of acids - They are decom-
posed, burnt up in the economy, the
C is converted into CO_2, this combines
with base & is liberated as such -
Tartaric is used to make lemon syrup
Acetic obtained with care & difficulty
from acetate of Lead & intense cold -
Distilled vinegar is a form diluted.
This may be used as a drink -
Citric acid now thought the lemon
family - Obtained by saturating lemon
juice when with Lime & SO_3 - pow-
erful acid almost styptic - Lemonade
is very refreshing, it acts on kidneys
Artificial Lemon juice is made 3 IX/j
of Citric acid to Oj of water - Cream
of Tartar is put in to add flavor these
acids, but we can tell by the solubility

Dr. Smith 1-20-63

Hernia. This is very common it is said one out of every eight have it. Hernia is a rupture or protrusion the contents is limited to the abdominal cavity getting down through some normal or abnormal opening either congenital or due to some mechanical force as a strain. It may push from belly into chest through diaphragm & become strangulated. Or in groin. Inguinal Hernia are those names correspond to the opening by which the intestine escapes. Those that can be pushed back are called reducible & those which cannot are irreducible. We also have strangulated & Congenital. The Peritoneum makes the sac. We have the Mouth the Neck, the body & the fundus of the sac. When first escapes the sac is like the peritoneum any other

but being very vascular soon becomes
ted, causes, exciting & predisposing
latter said to be congenital & hereditary -
a ride &c his predisposes. Exciting causes
those which make pressure on abdominal
muscles. as crying of children, Spasm
of Diaphragm, blowing wind instru-
ments, lifting heavy weights, Coldness
tight lacing, tubes, corpus & all those
become exciting causes. Symptoms -
if reducible, after some effort, you
find a tumour in groin, for inst-
this may vary in size, average size that
of an egg a orange - Comes down when
erect, goes up when lays down -
larger after full meal, has belly ache
rumbling, tumour begins above & comes
down, it takes a pear shape, skin
nearest the body - it stretches tissues
as it protrudes those are marked them
due to congestion, when a rup

hernia or can you have a modification of parts. You can't tell by feel whether it is intestine, it will feel empty. Symptomatic, gurgling when pushed. If mentum you will not have this. You may have adhesions of parts & cause strangulation. An irreducible may finally be reduced if not long irreducible but may have circulation in parts changed & have congestion. If can't push back, there is pain abdomen tender, can't have passage will vomit, then increase of pain, restlessness, pulse hurried, perspiration 2d stage. Vomiting feces called stercoraceous vomiting, he may have great prostration, hiccough, symptoms of Peritonitis. 3d this is general or circumscribed (Peritonitis). Profuse cold sweat, person gets easy, has no pain, & he dies of Peritonitis, or an

abscess may form & break in fifteen
or twenty opening. Then you may have
an artificial anus

Dr. Carson 1-22-63.

Nervous Sedatives. Digitalis Purpurea
Foxglove. This is a native of England but
is grown in this country. It have a
family whether is white D. alba. This
plant flowers in June. Its use the
leaves & they should be of the second
year growth. We have the Shaker Digi
talis comes from near albany. The
leaves are prepared to gather. Powder of a
light green color, adulterates with
leaves of — — . It contains an
active matter Digitalin, Neutral, but
energetic. This is a nervous sedative
and a diuretic we must consider it
in both these operations. Phys. Mor. Lonzo
tion of Heart, Lungs & Brain. In small
doses decreases act. but after 8 a 10 does

have been given it affects the heart & circulation. It is cumulative & after a certain amt has been taken it should be stopped for awhile. After effect is over induced on pulse, you need not give more as it is lasting. It is used to reduce force of heart & in aneurism diseases, & promote absorption, & to quiet & give rest. It will not take place of lancet, this can be done more aptly by purgatives. Digitalis used in latter stages of pneu, with neutral salt. Diaphoretics &c. Good in Pleurisy. Peritonitis, used in hem. Gives relief in consumption in certain, it quiets nervous disorders, used in Mania. When enlargement of Heart connected with Left Ventricle not good in Valvular disease. In Hypertrophy with Dropsical effusion it is good. good in Bright's dis

Give in Pill when liver is deranged,
given in Infusion ʒj to ʒvij of Water
ʒj of Cinnamon water. Withdrawing
Infusion. Incompatibles, Tannin
acetate of Lead, &c. Tinct. dose 10 drops
three times a day - dont change prepara-
tion - usefull when commencing with
alcoholic extract dose ½ grain
Antigue Pill - comp. hereafter -
Nicotiana Tabacum - Grows all over
the earth - This first found in West
Indies must let the plant to put strength
in leaves - Contains a volatile oil &
Nicotina - Oil of Tobacco is obtained by
destructive distillation, ends of old pipes

Dr. Smith 1-22-63

Hernia Continued When stricture is so
great as to obstruct circulation, we have
mortification, the object of treatment
is to prevent this mortification. The
Serum is found on bottom of sac

and is straw colored finally brown according to how long & how tight strictures is. Diagnosis of Strangulated Hernia is important. Symptoms are very much like Bilious colic, when sent for in these cases, examine for Rupture, see if you can find a tumor. Colic is often brought on by strangulated Hernia, Confounded with intussusception. but no tumor in this. Post mortem changes. intestines glued by band, you will find evidence of Inflammation & Gastritis. It may terminate in a cure by reducing or by an operation. Treat a reducible Hernia, don't by taxis. To make this operation study relation of parts. relax all parts by position & Chloroform bath, Tobacco macerated ℥ij put in bottle & put up reclean with string stocking ant. Tartar Emetic

is objectionable, because will vomit. Do every thing else before bleeding, or making drunk. Apply ice. Lower part of tumor, you may turn person upside down. After reducing it, but it reduced by a Compress bandage - or what is better a Truss - which are of various forms, we regulate their tightness by strength of spring. Compress must fit part & not change shape. Therefore soft ones will not do, nor spring ones. The glass - ones don't fit part. Pad must be oval, oblique beveled at one edge, prominence in middle, change length by screw down. formed of some hard material, boxwood, glass, ivory &c. Cover with linen, which you can change. Different kind of Hernia require different shaped pads. You don't want a perineal band, it is unnecessary. Put truss on while patient is laying down - never at night. This Truss is palliative treatment

It does not cure hernia. Radical cure
we will get in a few days. In the case of
Hernia requires a Suspensary bandage
to keep hernia from enlarging. When
you cant reduce strangulated hernia
you must to Herniotomy. which
requires different operation in differ
ent kinds of Hernia. Inguinal
Hernia is one that follows Cord of
male & round ligament of females.
Split in external oblique is external
ring. opening in transversalis fascia
is internal ring.

D= Cassia 1-23-63.

Tobacum continued. It also contains
albumen, Potassa & ammonia. The
origin of its name is still obscure.
King James the 1st of England was very
much opposed to the use of Tobacco.
It acts as a Diuretic on the lungs
as an expectorant. a purgative,

used also to relieve Muscular Contraction
used to reduce Hernia, but you must
beware of the Prostration, dont use it Med
Me dangerous by injection than
when taken by the Mouth. Given
generally by infusion ℥j to ℥j of boil
ing water, only use ½ or ¼ at a time
Given Tolacum ℥j to ℥j - 10 drops a dose
Given sometimes for an emetic -
Oil is dangerous, it is easily absorbed
Baby has been treated in this way -
6 drops to ℥j of Adeps - is strong e-
nough - The leaves steamed in water
used for application to throat in Croup
Aconite - Wolfsbane - Aconitum Na
pellus - also called Monks hood
A native of Europe, but raised here
is like Radish & may be mistaken
for them, looks like black kind, It is
sharp, has peculiar effect on tongue
Leaves when fresh has peculiar odor

Root tubers dark color externally. Aconitia active principle, contains Aconitic acid, which holds Aconitia in combination. When taken into stomach, burning, numbs fauces allays sensibility of nerves, numbs thems. After death, congestment Brain, Heart & Lungs. Stomach inflamed. Tinct. of Root ℥ ℈ij to Oj Flemmings Tincture. In taking it, he divided the effects into four stages. Baron Stoerk brought it in use for Rheumatism also good in this with decoction of Head used in Neuralgia. Two Extracts both the effect of Aconita Dose ½ of grain. Alcoholeph ½ grain Tinct. of Leaves & Root. from ℥ij to Oj. taken alone. May employ others with other remedies Recipe for Rheumatism

℞ Chloroform ℥ij
Tinct Camp ℥ij
Tinct Aconit Fol ℥j
Olive oil q.s to make ℥iij
M

Use this with impunity D: Cyanogen
Aconita is active 1/50 of a grain is
dangerous. Hydrocyanic acid
Prussic acid. Oil of bitter almonds
contains this. Cherry laurel water
is much used. Use diluted acid officinally. Formula of Potassium
Cyanide & Sulphuric acid.

2 (Fe Cy 2 K Cy) { K Cy → 2 Fe Cy K Cy
(Fe$_2$ Cy$_6$ K$_4$) { 2 Fe Cy → Prussian salt
{ Fe$_3$ → H$_3$ C$_3$ O$_3$
{ K$_3$
3 H O { O$_3$ → 3 K O
6 S O$_3$

This is a 4% per cent acid.
Must be kept excluded from light.
& Carbon will escape & it will turn
black.

Dr. Smith 1-23-68

There is an opening in the transversalis Fascia made by the intestine. this becomes thickened at its edges by a deposit of fibrin. this is the internal abdominal ring. it may be brought down by pressure to within two line of external ring. so that will be no inguinal canal left. the internal ring is capable of becoming the seat of stricture. the epigastric artery & vein lie on inner side of cord along inguinal canal in oblique form of Inguinal Hernia. you must remember this when making rings. When you have a double Hernia, as both a direct inguinal, artery & vein are on outer side of cord. You have four tissues normally. Skin, Fascia, Cremaster Muscle & Sac. by inflammation you may have a great many

begins to cut through. When you get to the sac, you can tell it by appearance You must make a little nick in the stricture, then grasp finger & it will stretch, now push up intestine - this is a simple operation. Make incision whole length of tumor, carry it very low down for fear of escape of pus. After through, close wound by suture apply Compress & Spica bandage for lower extremity. Give a mild Cathartic. You must not postpone operating in a case of stricture, danger is in delay. Engorgement of intestine above part of the string. When constriction perfect, cut it off. In Complicated Hernia - If you cant find out what a tumor is that is seen in groin let it alone - Fat often forms tumor. Abscess sloughs may be confounded with Femoral Hernia

Varicocele may be mistaken for Omentum hernia, Make patient lie down press with fingers, if varicocele they disappear. From Hydrocele it commences below, Hernia above - Congenital Hydrocele may be mistaken for Congenital Hernia.
The only Radical cure is application of ligature to sings, so as to close it partially - use metalic ligatures.

Dr Larson 1-24-63

Hydrocyanic acid continued -
After death Congestion will be found in various organs - Acts through circulation. Treatment for poisons Carbonate Ammonia to stimulate & Neutralize - Chlorine water also good dose table spoonful - Ammonia is safest - Stimulate also with brandy keep up circulation in capillaries - The article is used in nervous flow

ash. May be used to allay a species
of nervous vomiting also that in
pregnancy. Not permanent, dangerous
May be used in spasmodic affection
in Asthma not connected with Val
-vular disease of Heart. May do good in
Hooping cough, Make an Emulsion
a sugar & water. Used in skin affection
to allay pain, dont use too much -
3ij to 3 oz of water right dilution
Potassii Cyanuretum - Made from
Ferro cyanuret of Potassium.
Palm tasti, used instead of Lact acid
dose ¼ grain, given in Solution with
little vinegar; has been mistaken the
Iodide of Potassium
Alterative Medicines - Act on fluids
& thin solids. Mercury - Hydrargyrum
Means Silver Water - Called Quicksilver
Found abundantly in Ca - South
West - & found in Native Iron

It is not changed until an oxide in stomach - If it meets Muriatic acid may do harm. Physiological action It is absorbed, can detected in blood by distruction distillation, found in Viscera & bone - & Brain, eye - Blue Skin became black from sulphuret & then Mercury - A crew became salivated from Mercury running over ships - Miners never are affected show that by it afterward loose their teeth - Its first impression is on the secretion, stimulate, this is its mildest & best effects; Next effect on the mouth, Ptyalism is induced the mucous membrane becomes mentioned, stinges, dampness hard tearing of body, takes away blood, Tumefaction disappears - depraves the blood, it is up on surface, that small - has inflammation drawn from patient

Beneficial effects depends on promoting secretion & its liquefactive effects. This is how the salivation salivation has passed the bounds of moderation. Gum swell teeth loosen & fall out, adhesion between cheeks when cured. Tonging & pain are induced. Ranula is affected called Ranocalin Hyalin Symptoms, Urine increased, skin affected, vesiculation, leprous, hair may drop out, death occurs from breaking down of blood, Neuralgia Nervous system affected.

1-26-63. Hydrargyrum Continued. The article that become sedative by relaxation, sometimes prove stimulating in their reactions, Mercury is this way. Therapeutical properties. Salivation is an unmanageable condition we do not know how it will go. It runs the teeth also

Promoting the secretions is the next object to be studied. When the stomach is irritable as in Typhus & Typhoid fevers, it will purge & reduce patient. Not so in Intermittent fevers. When to promote secretions, add a Diaphoretic. Dovers Powder - Sometimes use Neutral salts with it in Inflammation. In diseases of Liver we use Mercurials, but we may do without its secretion, instead of promoting them. You must always attend to alimentary canal & Constitutional symptoms. To control Inflammatory action - We may use Mercurials in Pneumonia - use antimonials in early stage, when passes this use stimulants & promote absorption by Mercurials - Use in Chronic inflammations

also to quicken absorption -
In Syphilis after a certain stage -
with a chance Rational to keep
from running on to secondary &
Tertiary; this fails sometimes -
Dont give a man Calomel until his
gums are touched because he has
Syphilis - To prevent Secondary &
Tertiary - We may give ¼ ½ of
Calomel three times a day to produce
constitution effects - Blue Pill gr iij
If action bowels - no opium -
For Salivation use astringents
Cinchona - Rumex - Tannic and
Cortex of roses with Tinct of Galls -
For Inflammation soothing remedies.
We must build up system -
Unguentum Hydrargyri - Made
with Mercury & suet, half & half -
We ought not to see globules of Mer-
cury - Lard & Suet are used - Return

appeared to atmosphere becomes used

Dr. Smith 1-26-63.

When a small portion of Intestine is in a state of sphacelus tie ligature around it & push back. if large dont push it back, let it slough off. The conjoined tendons never makes a covering for Inguinal Hernia.

Femoral Hernia, follows the course of the femoral vessels & comes out under Poupart's ligament. By Infundibulum fascia is meant prolongation of Transversalis & Iliacus fascias over vessels. Crural or Femoral opening is bounded above by poupart's made Cumbernauld's other side is Muscle Femoral Fascia. Inside Reflected fascia, outside Cartilaginous fascia. Is inserted into Pubis, called Hey's ligament. The crescentic margin inserted close to Cumbernaught's ligament.

Fascia Propria, called extra Peritoneal coat. The Peritoneum sufferes not much until fascia & glands are dissected away. Stricture is greater than in Inguinal Hernia & is smaller also. To make Taxis you must flex thigh on pelvis, legs turned in & limb adducted - you may then push it up, as it relaxes the parts. first Etherize. Never put on Truss, which is different from those used in Inguinal. Pad must be adapted to region. Where it is strangulated you must operate. Make a smaller Incision over tumor. in long diameter of it. It goes through skin superficial fascia, then Connective tissue layer after layer, until you come to Sac. You may not see yet little legs & the serum like in other hernia, but feel for stricture which will be Hour glass mouth Keep on & you find Gentleman's Knife

ointment together & treat like last.

Dr. Carson 1-27-63

Hydrargyrum continued. Preparations. Pulv. Hydrargyri. This enters the system by friction. The fatty matter mixes an absorbs Mercury leaving powder. Used in Bubo after blisters. 3ss bid a third times a day. Salivation if occurs is milder. This Mercurial ointment will do as a substitute for Blue Mass. Unguentum. We have a Camphorated Mercurial ointment. this is more stimulating. Mercurial Plaster made by rubbing Mercury with Resin & Olive oil. This gets hard in the course of time. Good in glandular swelling. Should be spread on leather & fit the part. Blue Pills made by rubbing Mercury, Extract of Roses & Powdered Liquorice root. ought not to have any

...ytha. of degeneration. Mercury must be thoroughly beaten. it that wealth... may be beaten by hand rubbing - ought contain ⅓ mercury. Pill 3 grs. Mercury should be 1 gr. Diseases of... in this substance to warm climate absorb moisture & becomes soft. ...may prevent this by substituting althea root in place of liquorice root; this will take away the moisture. Dose 9 ℈ V. taken at bed time. ...in liquid condition of Zinc, Compound eff. of Colocynth is good to combine with it. It may be mixed with Comp. Extract Rhei - or may be used with Dovers Powder. Just good in Diarrhoea. Black oxide of Mercury made by precipitating Liquor Potassae on white Calomel. double decomposition takes place. This a black powder, has dry metallic taste, burns red by absorption

Dose ½ grain measured for Blue Mass
Black Wash made with Calomel &
Lime water. Black oxide & Calomel -
3ss to 3ij - Red oxide of Mercury
May by driving off NO_5 - from Nitrate
of Mercury - has a sharp metalic
taste. Not used internally, when
mixed with Lard should be red -
but by time turns blue by losing
O - May be used when you want a
stimulati. Citrine ointment Ung
Hydrg Nitras - 3ij - Ung. Hydrg Oxide
Rubrum gr vj adeps 3j - Hydrg
Cum Creta - 3 of Hydrg 1 s of Creta
rubbed together -

Dr Smith 1-27-63

Umbilical Hernia - Congenital form
is very easily cured. As we see it in the
child, the size varies, reduce it by taxis
place on a compress with a bullet,
strap down with adhesive plaster

this heals with the navel - Sometimes you must use a truss with a light spring let child wear this for two years & it will be entirely cured. Strangulated Hernia in the adults, most common in pregnant women - hernia sometimes immense. Belly grumbles - constipation, symptoms like those of other Hernia except more vomiting & not as quick sloughing. Coats for this Hernia skin, Fascia, Extra Peritoneum & Sac - You have no blood vessels, slit it vertically - if intestine black treat as in other.

Artificial Anus - To cure this you have forceps which a blade is introduced into each piece of intestine & brought together to slough - then an hard is introduced - Another treatment with forceps - Persons have been relieved by these operations - We can also

F.B.

make artificial anus by cutting down to part. Diseases of Rectum - Hemorrhoids - Symptoms Constipation Pants cut tight around the waist may produce them, sitting on soft cushion Afflux of blood to the part. Use of to Cure by reducing relaxation of bowels & tissues. Symptoms irritation of anus after going to school, with want to go to stool again, blood on paper after wiping, Anus always wet, then tumors, which become enlarged & he will have his attention directed towards it. It has a blue color & knotty appearance, differs from all diseases of Rectum except Prolapsus ani, but this is scarlet color Persons with piles, is very cross - from nervous system becoming deranged Diagnosis easy. Tumors are of two kinds One kind external & Internal, last only caused by mucous membranes

Dr Casson 1-29-63

Hydrargyrum continued - Hydrag cum Cretae is slate colored in appearance - It will absorb O & become an irritant - when opened, being converted into a Bin Oxide It may be combined with a Purgative as Anodyne - Dewis Powder, Rhei Potvis - Hydrg cum Magn - This is not as good as Chalk, is a powerful antacid also - Hydrg. Chloride Mite: Calomel - Prepared by action SO_3 on Mercury & then NaOCl - As follows —

$$Hg_2 + 4\,SO_3 = Hg_2O_2 + 2\,SO_3 + 2\,SO_2$$

$$Hg_2O_2\ 2SO_3$$

$$Hg_2O_2\ 2SO_3 = 2\,HgO\,SO_3$$

$$2NaCl \begin{cases} Cl_2 \\ Na_2 \end{cases} \qquad \begin{cases} Hg_2 \\ O_2 \\ 2SO_3 \end{cases} 2HgO\,SO_3$$

Cl_2 — $2\,HgCl$ Calomel

Na_2 — $2\,NaO$

O_2 — $2\,NaO$

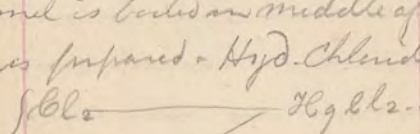
$2SO_3$ — $2SO_3$

when calomel first obtained is in

beautiful crystal long needle shaped
a little yellow, has no odor, is insol-
uble, when reduced to powder is white
Kosmos Calomel is sublimed in a moist
atmosphere & does not crystalize -
To tell Cor. Sub. from Calomel Scrape
with back of knife if yellow is Calo-
mel, we must wash Calomel a great
many times when first made to get
Cor. Sub from it. We must test the
Wash by Ammonia, there will be
a precipitate as long as Cor. Sub is present
Dent. give. Muriatic acid & Calomel
it will change it into Cor. Sub. We must
use acid SO_3. then be formed Cor. Sub &
a sulphate - Soap is incompatible
chemically, not therapeutically.
Calomel is used to promote secretion
and as an antiplastic, Dose varies ac-
cording to impression, largest dose X.
You may give ½ to ¼ grain every two hours

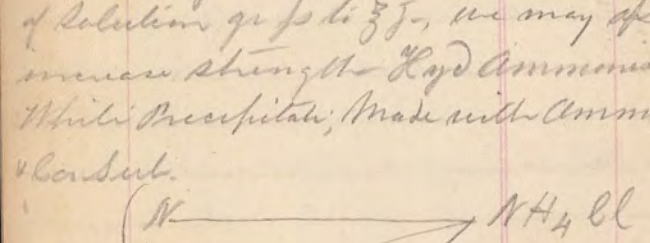
or ½ gr three times a day - We must watch the constitutional effects. May touch gums in Puerperal Peritonitis, May be given in inflammation with Opium & Ipecac -

It must be converted into a soluble compound, only a certain amnt will be absorbed (Tilman's discretion is one of different kinds of Calomel is Lotio in middle of vessel in which this is prepared - Hyd. Chloridi Corrosivum -



This is incompatible with Alkaline Earthy - With Lime Water makes yellow wash - Lime a precipitate with albumen, which is soluble in certain efflux in water Albumen is antidote. Eggs mixed with - Incompatible with $AgONO_5$, Cor. Sub. but is salivation with - used in Syphilis one from ½ to ½ of a grain, Compound

Syrup of sarsaparilla is vehicle -
This is the poisonous compound of
Mercury - will produce inflamma
tion of highest grade unless vomited
a stomach protected with food,
death is of most horrid kind. Strength
of solution gr ½ to ℥j -, we may use
mean strength - Hyd Ammoniated
White Precipitate, Made with Ammonia
& Corr Sub.



This is a dressing, in ulcers, skin
diseases, &c. Ointment -

Hyd Chloride Corr	gr x
Hyd Ammon	℥ ij
Adips	℥ j

Dr Smith 1-29-63

In Piles you must keep the bowels open take an injection of Hot soft soap water cold also cold water - Tannic acid cold cream; water & opium, rub this together & put up rectum, Suppositories made by Cocobutter is very good. This is palliative treatment. Radical cure dangerous to cut off external piles. You may apply NO_3. $KOHO_3$ paint with tincture aconitine injection, third day slough will be apt to come away - this leaves an ulcer & this when heals a cicatrical part is then contract. You may run ligature through pile a double one, draw ends tight & let it slough this is safe but must be repeated several times. Skein in a double canula has been used but you are apt to catch skin included in suture. Dr Horner inverted skin, dissected pile off from skin -

Encysted Pertussis. Disease of ovaries to suppurate. Abscess open from vagina. Thence fistulous tract.

Cutaneous Diseases. (Pepper)

General symptoms are constitutional disturbances by many of them - inflammation of internal organs the exanthemata may skin diseases - other traumatisms & mucous membranes, contagium, results of scrofulous or syphilitic taint, imperfect assimilation are all causes - arsenic after long exhibition of doses & modes of dispensing - certain constitutionally cutaneous diseases - antiphlogistic in acute ~~[illegible]~~ inflammatory stage - laudanum & emollients internally - skin act as kidneys, alimentary canal - functional affection of internal organs often cause - disease is general - stimulate other mucous membranes - produce exfoliation - modes dispensing classes - Tonics

Solution is best — gtt. v — to dilute in
a aqua ℥j — Dimarini Solution
gtt xxv ℥j to dilute — Cod Liver Oil
is good when there is carbonic evacu-
ation — Sulphur is good in much
used — Unkumara is good being
related to Castillani + alteration —
Local application is acute stage —
water dressing + subacetate lead —
application is pleasant — pitch plaster
or chiffony linseed — Linseed
oil is excellent — Ointments are bad
for skin stay dispose to contract + make
them worse —

Adeps (Mackenzie) ℥ss
Resorcin pulv — ℥j —
M — 2 heat for 24 hours

add Zinc Oxid. Pulv ℥j + ℔
fiebr —

sis unfavorable. Never trust to nature, but make version by the foot as soon as os dilated. Use hand which corresponds in name to shoulder presenting. Version by foot in this is very simple. When head is arrested use hook & make traction. Look in eye, mouth, nose or anything you can. If cant make version by foot, make it by forceps. Introduce fingers push shoulder up & head down with other to make room. These compound manipulations are very useful. If you can make version resort to embryotomy.

causes are common, uterine obliquity most frequent cause, trauma may do it. Dropsy of amnion. Diagnosis by shape of uterus, feel through walls of abdomen - & not finding head at os. Bag is generally ruptured before you are certain. We have two classes, one of right obliquity of left side. Mechanism thus almost demand immediate assistance. Nature may deliver by spontaneous version & spontaneous evolution. First may be done by one side uterus acting. Each shoulder has two position. First shoulder to left acet, 2nd shoulder to right acet. First we have adaptation from uterine contraction, descent as far as neck allows. Child rotates & is delivered in a cramped state, nearly all parts. This is spontaneous evolution. Prognosis

making pressure - Deviated breech
Presentation are treated exactly
like those of the vertex - In those
when membranes gives out-
put hand up find foot & deliver -
Where breech is low, you may use
fillet, which is a piece of rag,
grease this, slip it up between
legs of child & make traction -
Blunt-hook is better to use
be careful of this hook else you will
injure child - blunt-hook on for-
ceps is better for this - In occipito
ant Rest of vertex you may ap-
ply forceps Lever or Fillet
slip fillet over occiput & pull
in convex sigmoid direction
he must stiffen the fillet by any
thing you can get a hold of -
Presentation of the Trunk -
These are little more common than
face presentation, once in 200 or

because you grasp head in Dia
chilo Bregmatic diameter.
the Brow may present. this
generally terminates spontaneously.
You may have 6 Positions
1st Middle of Sacrial Sutures to
left acet. Chin right Sacro Iliac
junction. 3 & 4 Oblique 2 & 5 Ditto
In 4, 5 & 6 Position may be converted
into Vertex or face presentation
1, 2, 3, Convert into Vertex presentation
Side or Can Presentation
generally terminate spontaneously.
Treat. Terminate Version by ecstasy
2-6-63. The Lever is an instrument
used to alter the Position of child.
Introduced like blade of Forceps,
Warmed, Greased. Not to be used
at Sup. straight. In face presentation
used to flex head. Blunt hook used
for making traction in Breech
Presentation & delivering arms in

child has not left uterus -
after has passed the mouth
of uterus, try and help nature
to make it into a mento anterior
but may have to force rotation a
half a circle to sacrist. If
you can do this, take forceps
& turn & force a vertex presentation
apply forceps in cervica
Bregmatic. One blade of forceps
may do for time. If this fails
embryotomy - Presentation
of ant font - partially between
cept & flex - occiput frontal spin
Fracheli Bregmatic in axis -
face have same mentum position
Occiput to left acet. Top of
Forwards to right Sacro Iliac
junction. This is a deviation
Descent & an anest - treatment -
uterus a 9½ inch diameter. Don't
apply Forceps until you get flexion

b ant. Post. 2 1/2 4 1/2 - Be Parietal 3 1/2
b transverse 4 in. 5 cm. Position
chin to right acet. forward toward
left sacro Iliac symp. 6 cm. Position
chin symp Pub. forward
from sacrum - Mento Position
1st Position Top of Forward to left
acet. Chin Right Sacro Iliac symp.
Nearly always terminate by anterior
Rotation. this occurs from the
two forces. Prognosis not as favor
able as Vertex Presentation - for
do not have the same force so much
is lost. 1st stage last a long while
Vessels may become pressed, Child
looks black in face & awfully ugly -
head is apt to fall back.
Treatment - depends on Position -
Mento anterior trust to nature
Mento Position we assist nature
Apply Forceps occipito frontal diam
for make Vertex when head of

axis of the pelvis - We have 1st Position - 1st Step forward to left acet - Chin to right sacro iliac junction 4:20 - Mento anterior is 4, 5, 6 Position, Posterior, 1, 2, 3 Positions Mento anterior are the favorable cases, other unfavorable - First we take 4th Position, Chin towards left acetabulum, forward and right sacro iliac junction Diameter - Fronto Mental 3 left oblique which is 5 - Thus brow down, Occipito Bregmatic 3½ left oblique which is 5. Bi Parietal 3½ left other oblique which is 5 in. Chin descends as far as length of child's neck allows, thus we have Rotation, Chin goes to Symphysis Pubis - Occiput leaves back of child & describes an arc of a circle - The reverse of Posterior presentation - Occipito Breg - 3½

principles. Twins are common, Triplets
are rare. First stage in labour is dilation
2nd is second stage, you can't diagnose
until first child is delivered. When
the first child is expelled second child
is apt to fall over in uterus. Then
make version by feet. If head presents
rupture bag of waters & deliver.
24-63. Mal Presentation. Face presen-
tations are not common, most common
cause is obliquity of uterus. They
may exist before labor comes on.
You cannot diagnose this first stage,
then put fingers on forward &
you would think it was vertex
until you found features, nose eye
cheeks may swell & you might think
you had a breech presentation
In face we have facial circum
& trachelo Bregmatic circumference
Diameter of first 3 in. of Second 3½ in
& occipito, Frontal diameter is an

fœtal fluctuation at fontanels. As soon as os dilated by forceps of hip too large take the brain, take head a history. Another difficulty dropsy of thorax more rare than last, treatment like last. Dropsy of abdomen Ascites. You must also tap this. Tumors in body of child may obstruct. Treat on general principles. The size of child may obstruct passage only a few ℔s difference in weight between male & female child. Dr must look to antecedents of parents, see if they are a large race. When size of head is large, skin is corrugated. Treat on general principles, apply forceps. Monsters may make you make a wrong diagnosis, this occurs from hydrocephalus when born with skull. Adherent Foetus. These must be fœtus with head of one on neck of other. This condition is rare. Treat on general

prepared sponges. will
smell cause irritation &
bring on labor. Cludran Milk
Tampon has brought this on
Speculum has done the same
Prof. Kunisch introduced hot
douche - used cold water to
stop again. os - Smith
changed to hot water. Syringe
every 10 a 20 minutes until
labor comes on - Symptoms
keep Uterine sound. If
do this operation when diam-
eter is only 3 inches, let run
for 8 mo. This is for Child
may also do for Mother.

1-28-03. Obstruction that may be offered
by the child. Malpresentation or
Enlargement of head. This is due to
Hydrocephalus dropsy of the brain.
You may recognize it, by finding
the whole segment straight. If you

when it reaches the end of
Seventh Month. Legally a girl
can may bring it on for Mother
alone, or both Mother & child
or child alone, disease of
child comes from disease
of Placenta. When you find
child getting sick, tell this
by auscultation - Operate,
let stay in early asking assess
to of what dont use forceps
instrument apt to injure
part of mother. Rupture
membrane, liquor amnii
escape, labor may not take
place for several days, they
are apt to present - wrong -
Stilettes, calculi never instru-
ment recommend. Rams-
ence Ergot - & this instrumen.
Cupping glasses to nipple
is said would do it.

tbl

named from Cæsar being taken this way from his mother's womb
From 70 to 90 per cent perish.
When you are going to perform this operation. First get patient ready - Clean out bowels, regulable diet; Assistants should be taken care get them clean. Dr. P— dont recommend Ether, might use Chloroform, have recommended between 70° & 90°. To make incision one side linea alba Cut thro's in median line after all are ready & wounds stopped almost claim patient.
Induction of Premature Labor
Was first performed by puncturing membrane with a gimlet as advised by the Congress— he performs this for deformed pelvis, & some disease, spasm & displacement & children viable

Deformed Pelvis - Most common
ant. Post ½ Sup Straight Common cause is descent
If you have less than 3 in Conju
gate diameter of Sup Straight, we
cannot expect to deliver a live child
In here, we must perform Embry
otomy - This is dangerous & dis
we may have to resort to it. in con
tracted pelvis.

1-23-03 You may apply Forceps
when you believe 3½ & 4 inches
in the Conjugate diameter of Sup St.
Dilatory is sometimes caused by too
much pressure on Child's head
during delivery - In Embrotomy
one method out of four permits
Version by the feet when you
have 2½ & 3½ - You may bring
on premature labor & make
this decision. When down to 1½
inches we must resort to the
Cesarean section. This is to

managed. Anterior is the most troublesome - place woman on her back, force fundus uteris up the head of child is always pushed against some portion not in right outlet. sometimes the cord surrounds the child head. You must push this off - and lift acting as bridle. - The os may be pressing firmly in this case finger between it & head. Edema of external labia, you may have to puncture - Hemorrhoidal tumors may interfere with labor you may have to open tumor - There are legions of tumors which may interfere with passage of child head these on general principles - If movable push out of way - If pipes of fluid or cystic. Polypi are very common, if possible don't operate if tumor until parts are relaxed - mean the Polypus to recede

with danger. he may have a natural rigidity of the os uteri. this happens in young plethoric girls and old women in first child. You may manage them by supporting patient. keeping up their spirits & not letting them go to bed. When there is irritation of the os. apply opt Belladonna. Opium injections. when disease prevents the dilatation cut the os. Cancer may stop off dilatation. In this you must make version & deliver, Cesarean section. First allow nature to do her work. Obliquity of Uterus may retard labor. the have right & left. also anterior obliquity. these are the most frequent causes of Mal-presentations. when it is left & Position you may have a face presentation. This is rarely

may be adherent - or the Hymen may be impervious. This last might be removed in the middle of uterine gestation, or at the end by making a crucial incision & cut flaps off with scissors. Rigid vulva may cause Dystokia. These parts may relax. or the Perineum may be ruptured. Cicatrices may be the cause of the rigidity. We may see Rigid Perineum, this is apt to occur in stout plethoric girls. The Vagina may be congenitally small & so retard labor. 16-63. Sometimes this exist as an accident from previous labors. The Vagina may have transverse bands or bridles, they may be longitudinal. Cicatrices may be a cause of difficulty. A very small Vagina may dilate naturally. You may have to cut bridles or rupture it. These are attended

Congestion of Uterus may cause
tenderness, you can diagnose
by patient being pleasbrain &c -
In these cases you must bleed.
Weak Uterus will cause delay -
Heat as first case, publeness
may be constitutional.
When you have to assist
labour, use warm water & opium
dont use Ergot - Ergot is
not poisonous to the child
but it contracts the uterus sud-
denly. Begin it when there is no
obstruction, & dont give it after
the first children. In treatment
after abortion when there is hem-
orrhage when the placenta wont come
down, one may give it in Solu-
tion. Opt & Uterine, tells the Dr
generally proper.
1-14-63. Labor rendered difficult
by different organs. The labia

but in second stage our diagnosis very different. It is said when the child head stays in second stage over 8 hours it perishes - When you go to a tedious case, make an examination, when the os is not dilated, order the woman med sine at night & keep her up as long as possible, divert her mind. Be cheerful yourself. You may give a strong cup of tea, after the os has dilated, give ergot, rupture the bag of waters & deliver - Dropsy of the ammion is a great cause of tedious labor, in this you must rupture the bag - give Ergot to help up the uterus you may diagnose this dropsy by large size of uterus, flat surface of bag & mobility of child. You generally have a small sickly child in these cases which di

be on that hand in which
palm ~~lies~~ ~~hands~~ same way as
of child, except when breech
presents; then use hand cor-
responding to shoulder of child
This is in relation to the feet.
The mouth of the uterus must
be dilated or dilatable, about 2 cm to
2nd The presenting part must
not have passed the mouth of
the uterus, & be too deeply engaged
Introduce the hand; all
your manipulation you do
during the absence of pain
except the extraction of child.
1963 Dystokia or Preternatural labour
by may have deficiency in natural
power as a cause of prolonged labour
A labor that is not over 24 hours
is natural - but when it takes
several days, it is unnatural
In first stage delay is favorable

nly, grease the outside of blades. Always give the Forceps a squeeze after introduced to see whether you have any of the mother tissue in your grasp. Forceps acts as Tractors, Compressors & Levers. Make Traction in the direction of the axis of the Pelvis. Apply fore finger against occiput to tell whether your Forceps are slipping or not. Use the force from your shoulders downwards.

7-63. Version. is an operation by which we bring one of the extremities of the child to the os. Version by the feet is dangerous to the mother & child & you should tell the friends about it. Place patient on her back, head elevated, put a chair, &c. she has a good deal discharge, take off your coat & roll up your sleeves

1st. Forceps are only applied to the sides of the childs head.
2nd. apply them in the direction of the occipito mental diameter (this is not positive) although the engines head less-
3rd. The Post. blade should be introduced first. 4th. Male blade is held in left hand & applied left side of Pelvis
5th. is the reverse in withdrawing your blades, gives the reverse turns to those used when introduced. The disengaged hand is applied to the vulva & vagina to protect the parts & guide the instrument. No force must be used in pushing up the blade. Keep the concavity of the forceps on the occiput of the childs head. if you meet an obstruction stop over at-

want most firmly the uterus dont act
12-31-62: Treatment of Breach Presentation
Always make the shoulders rotate.
Prognosis is not as favorable as Head
presentations, but if treated right
child should not be lost.
1-2-63- In applying the Forceps
place the woman on her back.
The bladder & Rectum should
be emptied. The blades should
not be introduced cold. Warm
them in Warm water. You
must Diagnose accurately, &
apply Forceps to side of child's
head when you cant make a
diagnosis, place your blades
as if it was a 1st Vtx Position.
Never apply Forceps when the
resistance is greater than the
power, had them advanced
Obstetrics, when some serious
accident supervenes.

2nd Position very much the same as 1st. If rectum is full give an injection. Same diameter as 1st.
3rd Position. Sacrum towards symphisis pubis - we can change this to a 1st or 2nd. but if not the head is apt to be hooked - you must give the body a twist - after head gets down carry body of child towards abdomen.
4th Position - Post position of sacrum towards right sacro iliac junction, it is the reverse of the first - head delivered like 2nd Position. We have three ways to deliver the childs head.
5th Position the reverse of the 2nd.
6th Position the reverse of the 3rd.
Pregnancy is not as favorable as Cephalic presentations either to the Mother or child. The delivery is very tedious. The time when ear-

Breech Presentations are not very common this a three times in a hundred cases. In this are labia sip Positions the same as in head presentations. The most frequent position is the sacrum comedown to the left side, childs legs flexed on the abdomen. Diameters of the childs breech are all 2½ inches. Child descends to the floor of the pelvis, rotation then takes place hips under symphisis pubis. legs are then delivered and we have restetution of the hips. The moment you make traction on the child you push the arms of the child and childs head. Therefore you must not make traction and the elbow will come down and are delivered, we want to insure complete flexion for the childs head

in face Presentation. The Nape of the neck getting into the hollow of the sacrum.
5th Is like the second. We have the same diameter & mechanism.
6th The vertex of the third P. generally becomes converted into 1st or 2nd Presentation.
12-17-62 4th Position The Nape of the neck towards right Iliac Symphisis. Front of Forehead towards left acetabulum. In examining a childs head after delivery you will always find a tumor called Caput succidineum which is the part towards the OS of the Uterus.

3rd Presentation. Nape of Neck toward Symphisis Pubis Ant. Fount. Cranium. This becomes converted into first & second Presentation We must have perfect flexion in 3rd Presentation we have no rotation, as this extension at once begins. We have no restitution, shoulders delivered like first & second.

4th Position. Nape of Neck toward Right Sacro Iliac Symphisis, Ant. Fount. towards Left acetabulum. It is the reverse of 1st Position. Occipito Post becomes occipito ant. & the head is delivered in extreme flexion, but when it does not become so we have the head delivered with face upwards. The 4th Position may terminate

is passing out we have dimension 3½ & 4 - 3½ & 2½ - 8 long diameter presidium to plum. Now support the Perineum when the Childs head gets out we have restitution. Shoulder descends & rotates, ant shoulder under Pubis. Rest hollow of Sacrum. If woman has had many children Sacral shoulder comes first; If first child Pubic shoulder comes first after shoulders get out one contraction of Uterus expels the child to the hips, then another contraction expels child entirely.

Second Presentation only differs from first, by the rectum being full & rotation not going on right.

there is no fixed position for child in uterus for first six months - after this its head is down reflex action makes it take this position first Presentation are Vertex - 96 of it - there are six positions -
First - The Mayor's Child neck toward left acet. ant. Fourth - towards right sac. Its junction - Diameter - Cervico Occipital corresponds to Oblique - 3 inches - 3 1/2
& Bi Parietal of child distinct is 3 1/2 inches To other oblique diameter of pelvis 3 inches -
Dec 12th. The first effect of uterine contraction is adaptation, next effect is the descent of the child's head. The head meets with resistance at the floor of the Pelvis and rotates & gives a thrust on the childs neck. The causes the triceps of extension and the head is delivered in extreme extension while the head

The Mechanism of Labor – is the mode in which the child is expelled from the body of its Mother. Presentation is that portion of the foetal circumference which offers toward the centre of the plane of the superior straight Position the varying relationship which the same presentation portion bears to the several parts of the Sup. Strait. Labor is Natural & Preternatural, or Dystocia.

For the first we must have the Mother & child all right. Presentation may be by the Vertex or Face extremity. Of Presentation of Vertex. First Vara of which towards left acetabulum and Sinciput towards right Sacro Iliac synchon. This is the most common way. The next is Vara of which towards right ast. and Fontanel towards left Sacro Iliac synchon

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symptoms chill, high pulse
swelled breast patient sleeps
lumps sometimes on breast -
this goes on and we finally have
it formed - Treatment. First
a saline purge - then opiate
seven powders - Apply the camphor
ated oil, rub from centre to
nipple, such at the same time
Poultices are also good - If none of
do good in 48 hours let them
alone and use Belladonna &c -
Opium is a specific if used in time -
℞ Take ℥ss mix up with enough
syrup to make a paste, thicker than
blacken. Rub this on breast, put
over this a greased rag, over this
oil silk - If it does go on, after
it points open it in the direction
of milk tubes, then apply poultice
This

Dr Penrose 12-10-62.

A saturated solution of alum in Brandy - put on the nipple of a young woman two a three months before she has a child will keep them from getting sore when they are sore first Gum Lard cerate spread over them. Castor oil is also good. Solution Cucumber ointment. If they are very bad. Sulphate of Zinc Borax. Sulphate of copper. The child should be taken from the breast if too bad. Then apply the pump & practice. Get a nurse that can draw the milk from the breast. If much excoriated a drop of Laudanum. Ol. Anisi is good. Mammary abscesses may be caused by cold. However there seems a disposition of nipples

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Dr. Da Costa. 12-13-02

Patrick Monaia - age 39.

Shoemaker - always in good health until 14 Months ago. No hereditary diseases. Cold & cough set in gradually. has since lost flesh. Spit blood 5 months ago. blood bright red. at first the spit very little. he never had night sweats. Pains across the chest. appetite bad. breathing 28. Pulse 102 Expectoration thick yellow & heavy in morning. Percussion Dullness at apex left lung to 3rd rib. Post. at one edge scapula dull. Auscultation bronchial respiration of right lung prolonged expiration under right clavicle. Left lung under clavicle extremely feeble, fine crackling inspiration. The same

with now & then a dry sale.
at angle of scapula. dry rales
also heard low down Post.-
No distinct breathing sound
in any part of left lung.
Diagnosis Tubercular left lung. 2nd stage.
Tongue clean around gum
Treatment Tablespoonful of Cod
liver oil three times a day.
Liquor Ferri Iodidi - gtts XX three
a day.

Reg. Age 38 Occup
Salesman. Has had a slight
cough for 3 or 4 years. General
health other wise good. No
hereditary tendencies to disease
Past 8 months age Cough
got worse. Worst at night
[illegible] Lies on left side
[illegible] Pulse 120 & strong
Temp 98. Tongue slightly
coated. Appetite impaired
Pain after efforts of coughing
Little expectoration. Perform
Flat dull on Rt & left lung
Respiration puerile
Rest. Pectoriloquy at apex dull
on percussion. Right side Resp
Harshly roughened. Respiration
Left upper part of left lung
with fine crackling at end
of inspiration. Rest. Respira
tion more distinctly made
Diagnosis Phthisis
[illegible] 1 gtt XX 3 times